

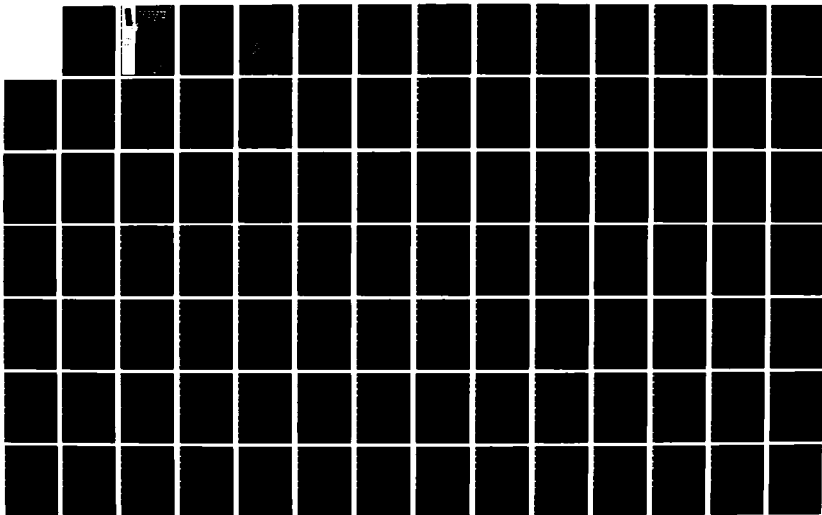
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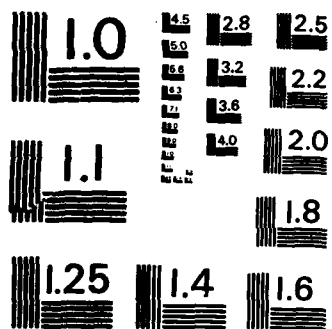
REPORT ON THE EVALUATION OF DEMAND FORECASTING
TECHNIQUES FOR THE SUBSISTENCE COMMODITY VOLUME 2(U)
DEFENSE LOGISTICS AGENCY ALEXANDRIA VA OPERATIONS
RESEARCH AN T J SHEEHAN ET AL OCT 85 F/G 15/5

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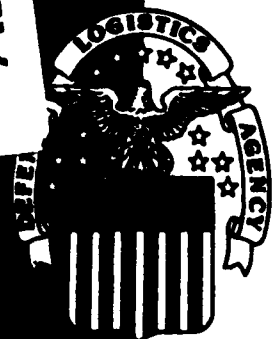




MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

AD-A166 750

**REPORT ON THE EVALUATION OF
DEMAND FORECASTING TECHNIQUES
FOR THE SUBSISTENCE COMMODITY
VOLUME II**



DEPARTMENT OF DEFENSE

**DEFENSE
LOGISTICS
AGENCY**

Operations Research and Economic Analysis Office

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Evaluation of Demand Forecasting
Techniques for the Subsistence Commodity
Volume II of II

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Per Ms. Cleo Ridgeway, Defense Logistics
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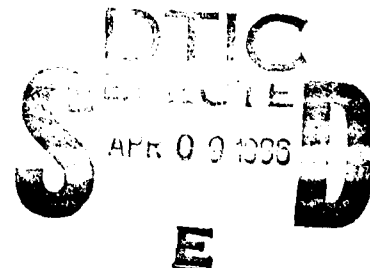
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Appendix A

Details on Subsistence Management Systems and Requisition Processing

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Appendix A

Details on Subsistence Management Systems and Requisition Processing

I. Distribution System.

Fresh fruits and vegetables are generally bought on the open market by DPSC buyers around the world. Stocks are not held at the warehouse; however, sometimes large quantities are bought and held in staging areas at Bayonne, Cheatham, or Alameda for transportation overseas.

Most subsistence depots are stocked using normal replenishment procedures. Customer demand is received and recorded. This data is used to compute forecasts, determine requirements levels, and initiate replenishment actions when necessary. This is a "push" inventory control system where stocks are pushed into the depots based on DPSC requirements determinations.

However, there are other Service-owned depots, known as WIMS agents located in the western Pacific, that are and operate pull inventory control systems. That is, the WIMS agents compute their own requirements and then forward requisitions (for stock replenishments) to DPSC, for semiperishable items, and Defense Subsistence Region, Pacific, at Alameda for perishable items.

Tables A-1 and A-2 contain the various stockage sites for semiperishable and perishable subsistence items, respectively. Figures A-1 and A-2 show the geographic locations of these stockage sites.

Table A-1

WORLDWIDE STORAGE SITES (NONCOMMERCIAL) FOR SEMI PERISHABLE SUBSISTENCE

Routing Identifier Code (RIC)	Location		Inventory Control System
	CONUS	Overseas	
NDS	San Diego		Push
NNS	Norfolk		Push
NOS	Oakland		Push
NPS		Pearl Harbor	Push
NRS	Charleston		Push
NXS		Guam	Pull
NVS		Subic Bay	Pull
NZS		Yokosuka	Pull
SD8		Korea	Pull
SAS	Mechanicsburg		Push
SBS	Tracy		Push
SDQ		Germersheim	Push
SDU		Leghorn	Push
SMS	Memphis		Push
SRS	Richmond		Push

Table A-2

WORLDWIDE STORAGE SITES (NONCOMMERCIAL)
FOR PERISHABLE SUBSISTENCE

Warehouse Code	Location		Inventory Control System
	CONUS	OVERSEAS	
AA	Philadelphia		Push
AB	Bayonne		Push
AC	Quincy (Boston)		Push
BA	Cheatham		Push
BB	Landover		Push
BC	Columbia		Push
BD	Charleston		Push
CA	Chicago		Push
CC	Nashville		Push
DA	Kansas City		Push
DB	Denver		Push
EA	New Orleans		Push
ED	Jacksonville		Push
EE	Tampa		Push
EF	Birmingham		Push
FA	Fort Worth		Push
FD	San Antonio		Push
FC	El Paso		Push
LA		Kaiserslautern	Push
LB		Bremerhaven	Push
PA		Felixstowe	Push
G1		NSD Pearl Harbor	Pull
G2		NSD Guam	Pull
G3		NSD Subic Bay	Pull
G5		NSD Yokosuka	Pull
G8		Korea	Pull
G9		DSO Hawaii	Push
GA	DSR Pac Alameda		Push
GC	DSO Alameda		Push
GP	Seattle		Push
GU	Los Angeles		Push
GK	DSO San Diego		Push
GY	NSC San Diego		Push

Figure A-1

SEMIPERISHABLE SUBSISTENCE DISTRIBUTION SYSTEM

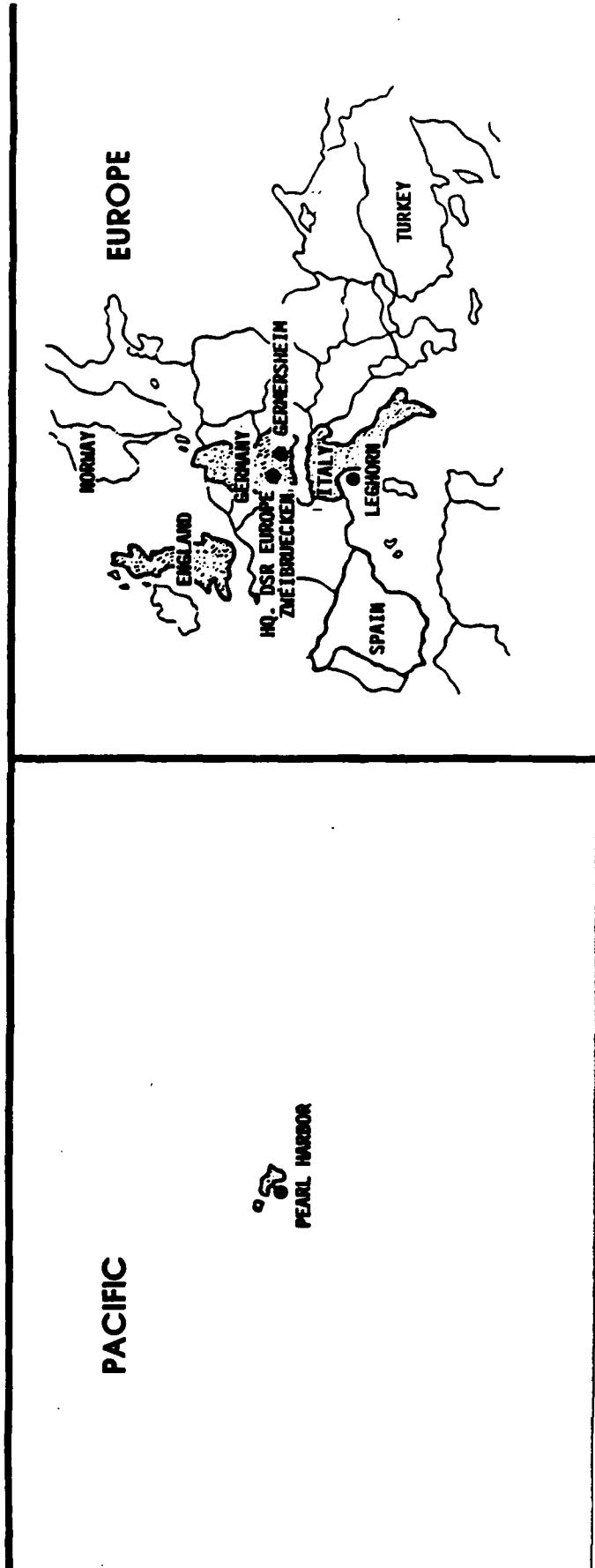
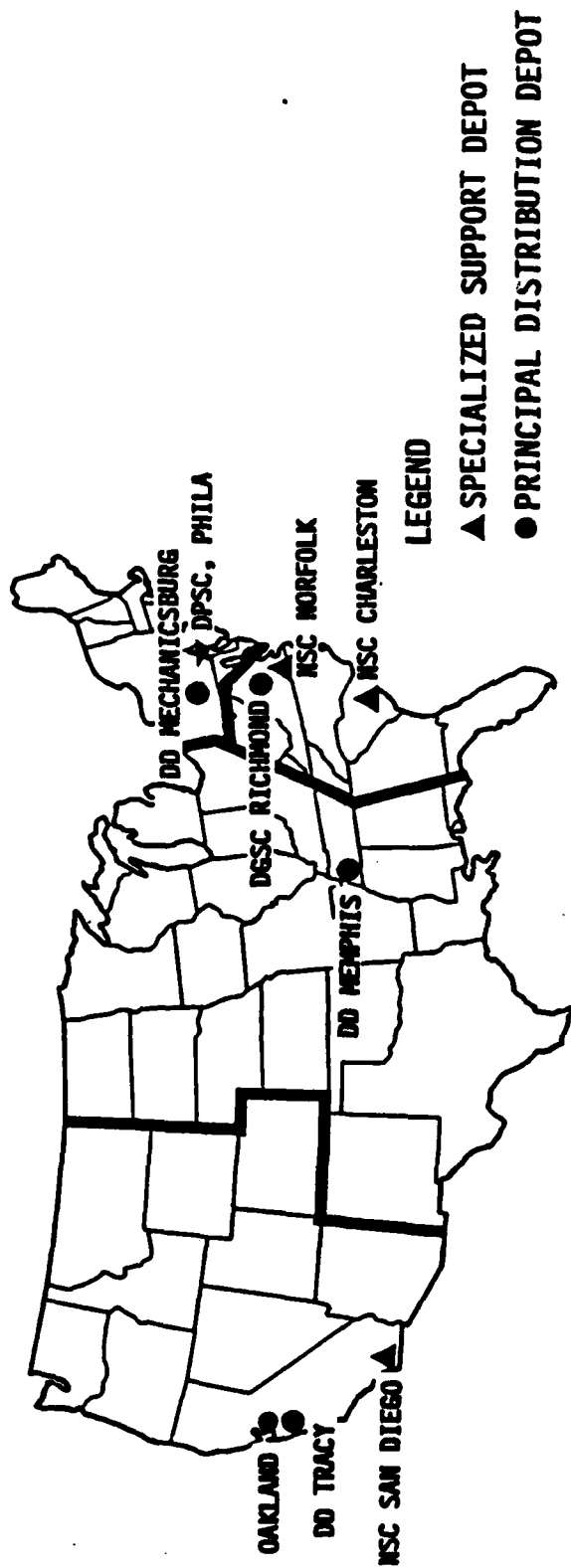
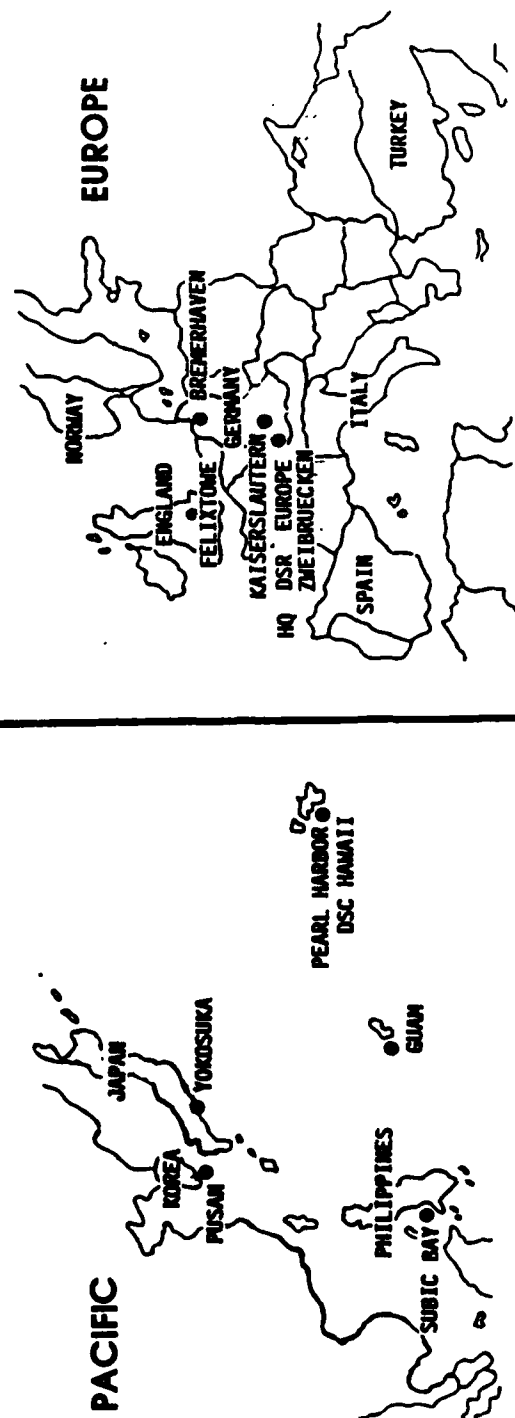
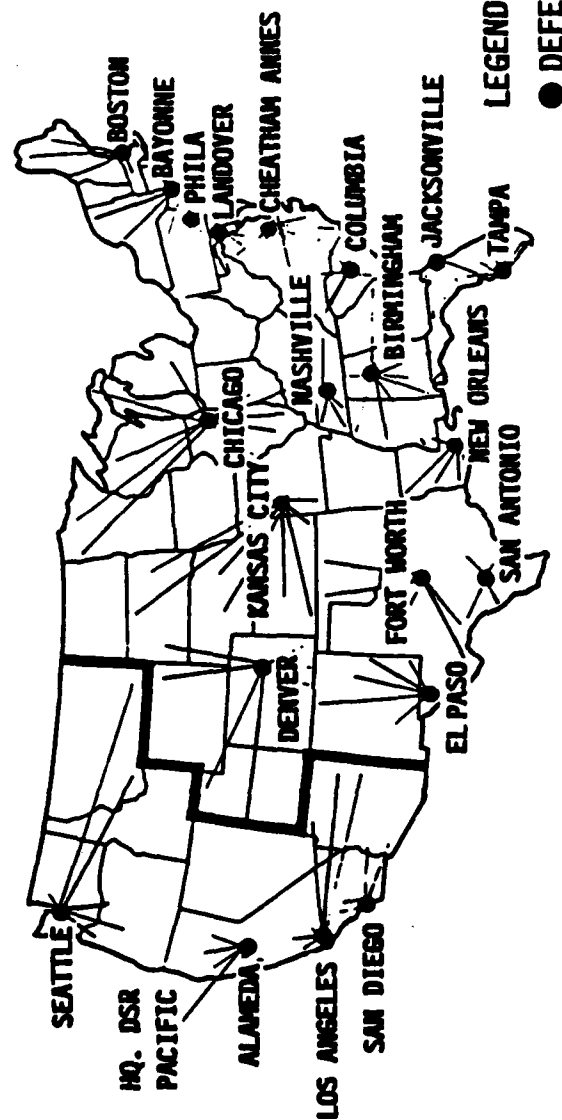


Figure A-2

PERISHABLE SUBSISTENCE DISTRIBUTION SYSTEM



II. Automated Materiel Management Systems.

DPSC presently employs three different automated materiel management systems to provide supply support to customers throughout the world. The Perishable Subsistence Automated Supply System (PSASS) is used to compute requirements, buy actions, and safety levels for perishable troop issue and brand name items overseas and perishable troop issue items in CONUS.

The semiperishable Central Stocked System computes requirements, buy actions, and safety levels for semiperishable troop issue and brand name items overseas and semiperishable troop issue in CONUS.

Both PSASS and the Central System generate a supply control study which portrays the stock position (on hand/on order/due-in), actual forecast requirements and demand history, as well as the replenishment quantity when and where applicable.

The Direct Commissary Support System (DICOSS) is used to provide direct supply support services for brand name items and items restricted to large commissary customers overseas but not applied to CONUS customers. Demand is recorded as direct vendor delivery at the consolidation point but no demand forecast or stockage level is computed. Cancellations of DICOSS requisitions may be held as residual stock at the various warehouses and are issued to overseas commissaries during the following monthly cyclical processing of requisitions.

Figures A-3, A-4, and A-5 provide schematic diagrams of the various materiel management functions included in PSASS, the Central Stock System, and DICOSS, respectively.

III. Requisition Processing.

The majority of requisitions received by DPSC are used to accumulate demand, compute forecasts, determine requirements levels, and initiate replenishment actions when necessary. However, in the western Pacific, the WIMS agents forward their requisitions for stock replenishment to DPSC for semiperishable items and to Defense Subsistence Region, Pacific, at Alameda for perishable items.

These requisitions are satisfied from the WIMS agents' primary/secondary sources of supply through redistributions, or through procurement actions. The agents' demand data is recorded at their primary source of supply DPSC effects replenishment actions on the West Coast depots which support these agents. Issues are posted at DPSC after the item has been issued to the customer by the WIMS agent.

Stocks located at a WIMS agent-depot are issued to its customers on a post-post basis. The demands are recorded by DPSC against the agent and all issue-transactions are deducted from inventory records. DPSC uses this agent demand to compute forecasts for these agents and develop requirements levels. These levels are maintained as memo-entries only, i.e., demands, forecasts, and levels at the agents are not included in system totals since this would result in a duplication of demand already recorded and used in levels computations at the West Coast depots which support the agents. DPSC maintains these levels/records on these agents to observe their demand-recording habits. In this way, DPSC can question the quantity ordered, the frequency of the agents' requisitions, and their stock-position at the time of reorder.

Figure A-3

Schematic of the Perishable Subsistence Automated Supply System (PSASS)

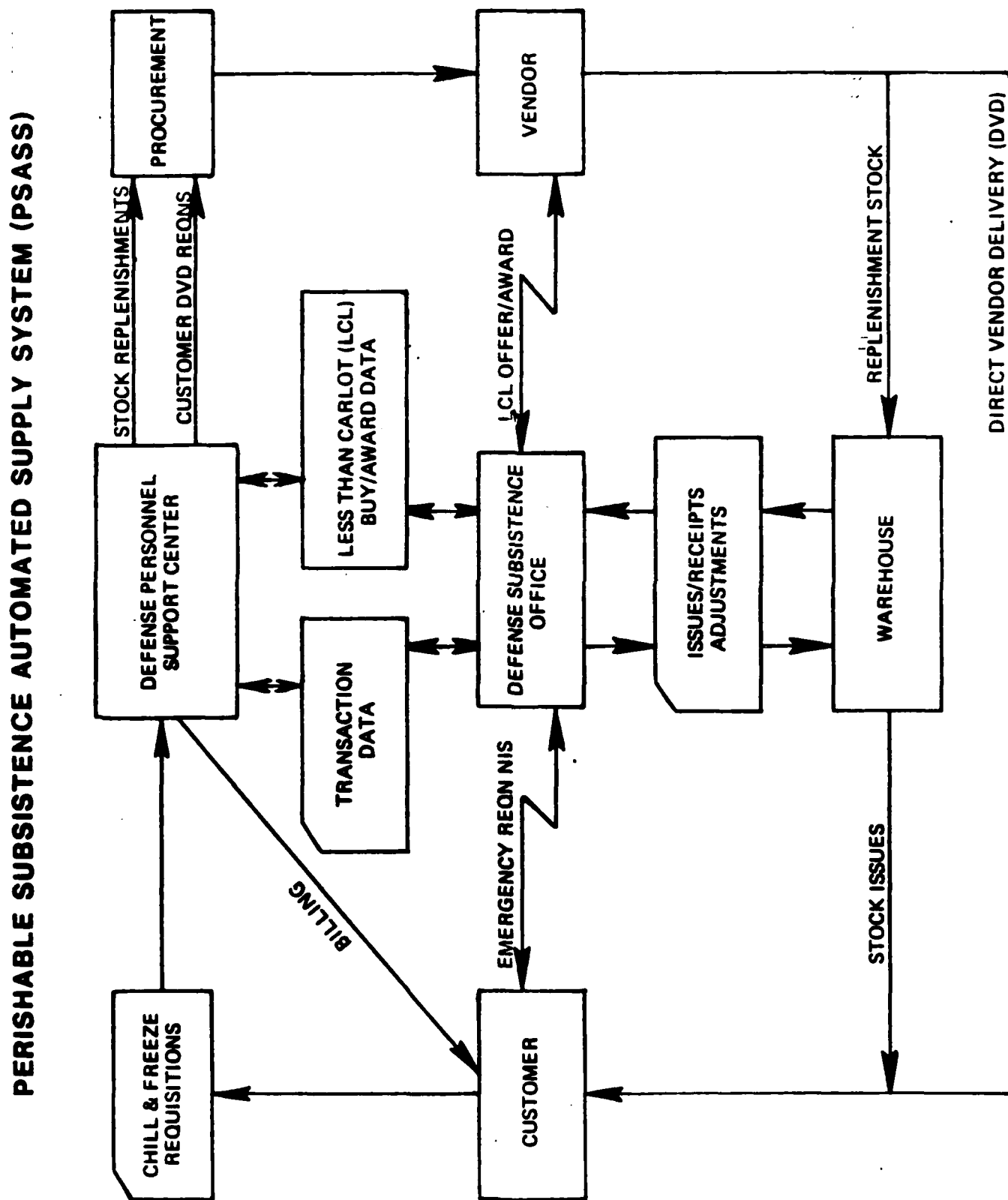
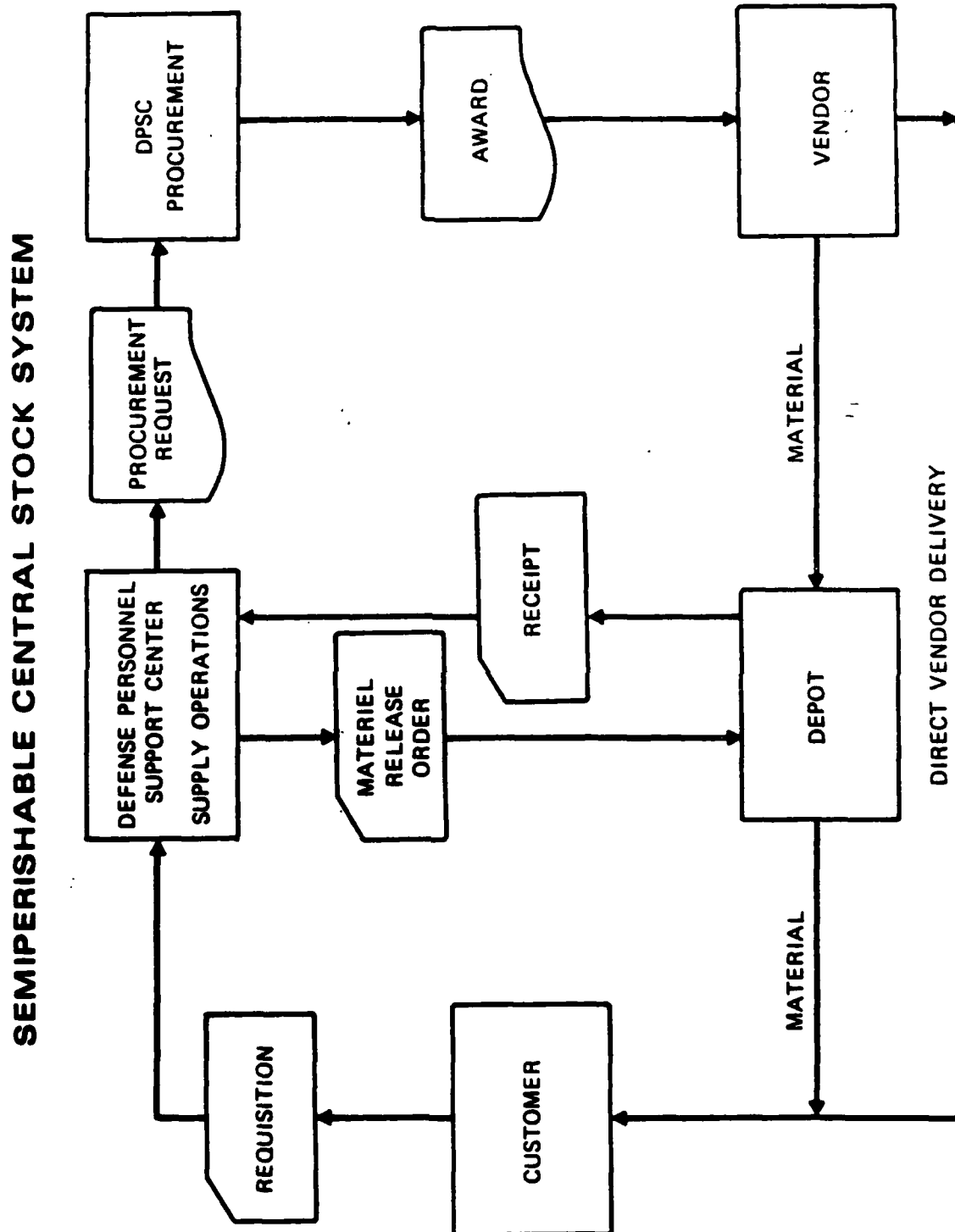


Figure A-4

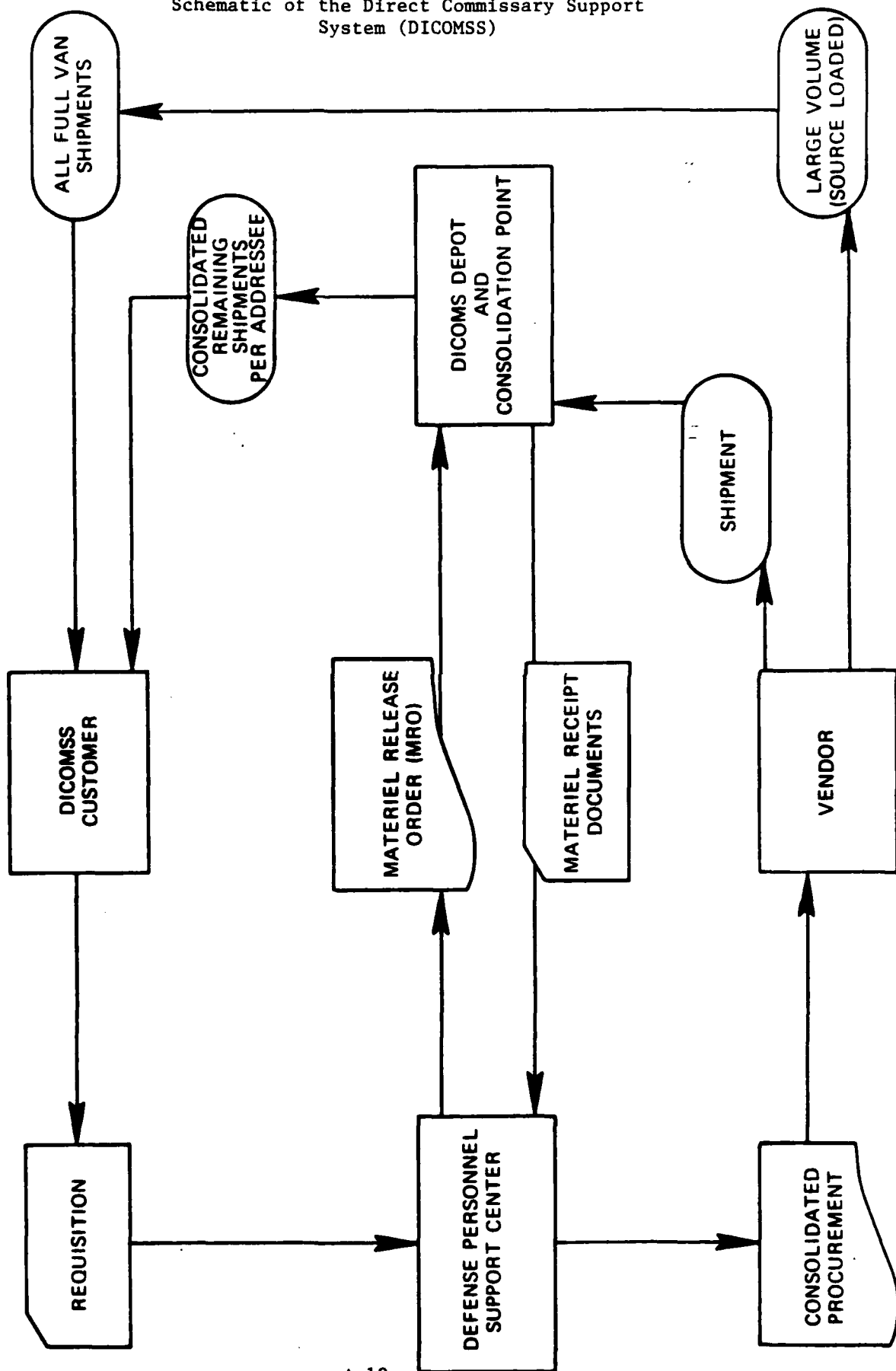
Schematic of the Central Stock System



SEMIPERISHABLE SUBSISTENCE DIRECT COMMISSARY SUPPORT SYSTEM (DICOMSS)

Figure A-5

Schematic of the Direct Commissary Support System (DICOMSS)



These memo-entries provide an audit trail to track anomalies in requisitioning habits by the agents resulting in erratic demand patterns and to help explain demand patterns at the agents' primary source of supply. Also, incompatibility between agent issuing and requisitioning may be monitored to identify data transcript problems or other discrepancies.

Perishable subsistence maintains a national supply point (NSP) for certain low volume items. The present NSP is the Kansas City warehouse where the quantities of these low value items are stored. The demand at each area warehouse is insufficient to warrant direct carlot shipments so all stocks are procured for direct shipment to the Kansas City NSP. Demands from customers are accumulated at area warehouses and are used to develop forecasts and resulting requirements levels. Local warehouses are replenished through redistributions initiated by the item managers. These redistributions are combined with stocks of other items to make up more economical units for transporting the stocks such as carlot/vanlot quantities. Levels at the Kansas City warehouse are established by recording redistribution demands there. In effect, demand is being duplicated, but since replenishment actions from procurement sources are only initiated for the Kansas City warehouse, there is no duplication of buy quantities, no over-procurement.

Appendix B

Description of the Autogression Report

Appendix B

Description of the Autoregression Report

The report contained in Tables 5 and B-1 provides the following information:

- (1) Subsistence Subcategory - Perishable
- (2) Model Nomenclature - Integrated 6-Mo AR3 Harmonic with Constant
 - Prediction Period (6-Month - Sum of Demand)
 - Regression performed on integrated (short differenced) data
 - Harmonic term included
 - Change in LT/PC Demand is forecasted in autoregression
- (3) Model Number - Within the Model Test Set (See Appendix N)
- (4) SN - Stock Number of Item
- (5) Pck - Type Pack
- (6) DEP - Warehouse supporting customers for this item
- (7) LT - Leadtime in months
- (8) PC - Procurement Cycle in months
- (9) Nomenclature - Short description of item
- (10) NDP - Number of valid monthly demands available
- (11) Item # - Counter used in program
- (12) Leadtime Estimates/Procurement Cycle Estimates - Predictive period forecasts at time $t = \text{month}$
- (13) MONTH - Month 1 corresponds to July 1977 - Month 77 to October 1983
- (14) ACT - Actual predictive period demand; in Month 50, next leadtime demand = $148786 = 80557 + 36142 + 32087$
- (15) IFCT - LT/PC forecast based on autoregressive model
- (16) DFCT - LT/PC forecast based on present DLA formula
- (17) ERROR - ACTUAL - IFCT or ACTUAL - DFCT
- (18) % ERROR - $(\text{ACTUAL} - \text{IFCT})/\text{ACTUAL}$ or $(\text{ACTUAL} - \text{DFCT})/\text{ACTUAL}$

Table B-1

SAMPLE AUTOREGRESSION REPORT

PERISHABLES										INTEGRATED 6-MO AR3 HARMONIC WITH CONSTANT										MODEL =										24									
NSN										PC NOMENCLATURE										ITEM #																			
8905001268743										1 LB 3 1 PORK, SPAREIRBS, FROZEN										71										1397									
PCK DEP										LT										MOP																			
1										3																													
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- (19) MAD (Mean Absolute Deviation) - The sum over the evaluation period of the absolute values of the one period ahead forecast errors divided by the length of the evaluation period
- (20) MERR (Mean Error) - The sum over the evaluation period of the one period ahead forecast errors divided by the length of the evaluation period
- (21) MAPE - The sum over the evaluation period of the absolute values of % errors divided by the length of the evaluation period.
- (22) No. of Fit Parameters - The number of parameters used in the autoregressions to generate the last forecast
- (23) Leadtime Parameters - The coefficients used in the autoregressive formulae to generate the last leadtime forecast
- (24) Procurement Cycle Parameters - The coefficients used in the autoregressive formulae to generate the last procurement cycle forecast

Appendix C

Description of the Forecast Model Evaluation Report

Appendix C

Description of the Forecast Model Evaluation Report

The contents of Tables 8 and C-1 are described in this Appendix.

- (1) Lines 1-3 - Nomenclature and item information (See Table 5).
- (2) Mean - The average actual demand over the length of the entire leadtime (procurement) cycle demand series.
- (3) STDEV - The dispersion of actual demand around the mean over the length of the entire series.
- (4) MAD - The average of the absolute deviation about the mean over the length of the entire series.
- (5) MEDIAN - The middle value or arithmetic mean of the two middle values of the demands arranged in order of magnitude over the length of the entire series.
- (6) Truncated Mean - The average actual demand of the ordered demand series when 25 percent of the lowest and highest demands are eliminated. Used as a measure of skewness.
- (7) MAD/SD - The quotient of the mean absolute deviation and standard deviation. Also a measure of skewness.
- (8) C/VAR - The quotient of the standard deviation divided by the mean.
- (9) C/SKEW - The quotient of the third moment about the mean divided by the standard deviation cubed.
- (10) C/EXC - The quotient of the fourth moment about the mean divided by the variance squared.
- (11) Analysis of Variance - Let $d_{i,j}$ be the leadtime/procurement cycle demand ending in month j of year i and

$$M = \frac{1}{12t} \sum_{i=1}^t \sum_{j=1}^{12} d_{i,j} \quad t = \# \text{ years of demand}$$

M is the average leadtime/procurement cycle demand over last t years

$$S_j = \frac{1}{t} \sum_{i=1}^t d_{i,j} \quad j = 1, 12; \text{ average LT/PC demand beginning at each month}$$

$$T_i = \frac{1}{12} \sum_{j=1}^{12} d_{i,j} \quad i = 1, t; \text{ annual LT/PC demand over the year}$$

Table C-1

SAMPLE FORECAST MODEL EVALUATION REPORT

PORK, SPARERIBS, FROZEN																						
NSN: 8905001268743 ITEM NO: 00520 LEADTIME: 3 PROC CYCLE: 1 RIC/DEPOT :LA																						
CHILL CODE: 2 SHELF LIFE: 06 VSL: 4 UI: LB NET WGT: 000052 SUPPLY CODE: ISSUE CODE: FLEET CODE: 0																						
MEAN: 78333 STDEV: 23489 MAD: 18760 MEDIAN: 76939 T-MEAN 77883 MAD/SD: .80 C/VAR: .30 C/SKEW: .12 C/EXC: -.49																						
TREND 47.6 (DF: 4 F: 21.6) SEAS 28.2 (DF: 11 F: 4.7) RAND 24.2 (DF: 44)																						
SEAS: 106.8 85.8 77.1 77.4 86.1 89.8 102.3 120.0 121.9 119.3 108.6 104.9																						
TREND: 103.9 119.4 119.6 92.0 65.0																						
% POS CHANGES: 50.7 53.0 46.2 46.9 46.0 41.9 44.3 41.7 39.0 43.1 38.6 28.6																						
% TURNS: 28.4 19.7 20.0 17.2 17.5 21.0 21.3 15.0 15.3 15.5 15.8 19.6																						
MEAN STDEV 1 2 3 4 5 6 7 8 9 10 11 12 CHI-SQ																						
RAW DATA 78333 23489 + + + + + + 101.5 AUTO																						
RAW INT -211 12090 + + + + 76.9 PART																						
CROSS CORR + + + + 41.7 LAG																						
CROSS INTEG + + + + 67.9																						
+ + + + 57.4																						
. 16.4																						
MEAN RMSE THEIL																						
INAR1C HARM -5666 19506 .67 + 47.2 .09 .05 .86 18088 .62																						
INAR2C HARM -5723 19996 .68 + + 46.5 .08 .03 .89 18828 .64																						
INAR3C HARM -4803 20421 .70 + + 48.2 .06 .01 .93 19693 .67																						
NAR1C HARM -10949 21370 .73 + + 46.4 .27 .02 .71 18016 .62																						
NAR2C HARM -11212 21718 .74 + + 46.1 .27 .01 .71 18351 .63																						
NAR3C HARM -10719 22189 .76 + + 44.5 .24 .01 .75 19265 .66																						
LAST YEAR -9348 22893 .78 + + 36.3 .17 .03 .80 20414 .70																						
12-MO AVG -6173 23475 .80 + + 100.6 .07 .02 .91 22415 .77																						
NAR2C -12306 24525 .84 + + 52.9 .26 .03 .72 20741 .71																						
INAR3C LAG -6042 25116 .86 + + 52.8 .06 .14 .80 22452 .77																						
INAR2C LAG -5722 25185 .86 + + 54.0 .05 .18 .77 22038 .75																						
NAR3C -12976 25338 .87 + + 69.1 .27 .01 .73 21589 .74																						
INAR1C LAG -6229 25432 .87 + + 68.7 .06 .23 .71 21449 .73																						
NAR1C LAG -5415 25527 .87 + + 67.1 .05 .02 .93 24626 .84																						
NAR2C LAG -5800 25594 .87 + + 59.1 .05 .06 .89 24175 .83																						
18-MO AVG -6747 26255 .90 + + 102.2 .07 .01 .92 25194 .86																						
DLA -3438 26981 .92 + + 102.6 .02 .25 .74 23141 .79																						
INAR3C -1643 27291 .93 + + 94.3 .00 .19 .80 24461 .84																						
NAR1C -11098 27613 .94 + + 82.8 .16 .01 .83 25122 .86																						
GLOBAL MN -10945 27677 .95 + + 75.0 .04 .04 .80 24773 .85																						
NAR3C LAG -5329 28512 .97 + + 69.5 .04 .19 .77 25047 .86																						
INAR2C -2621 28866 .99 + + 110.3 .01 .27 .72 24481 .84																						
LAST LT/PC -3933 29269 1.00 + + 140.9 .02 .27 .71 24648 .84																						
INAR1C -2497 29956 1.02 + + 134.0 .01 .33 .66 24401 .83																						
6-MO AVG -3977 31683 1.08 + + 151.0 .02 .31 .67 26021 .89																						

--- PORK, SPARERIBS, FROZEN
 NSN: 8905001268743 ITEM NO: 00520 LEADTIME: 3 PROC CYCLE: 1 RIC/DEPOT :LA
 CHILL CODE: 2 SHELF LIFE: 06 VSL: 4 U1: LB NET WGT: 000052 SUPPLY CODE: ISSUE CODE: FLEET CODE: 0
 MEAN: 25710 STDEV: 9948 MAD: 7876 MEDIAN: 28609 T-MEAN 25493 MAD/SD: .79 C/VAR: .39 C/SKEW: .59 C/EXC: .86

TREND 33.1 (DF: 4 F: 9.9) SEAS 29.8 (DF: 11 F: 3.2) RAND 36.9 (DF: 44)

SEAS: 80.3 82.4 84.7 86.8 103.9 123.2 141.1 109.6 115.3 108.1 98.4 76.3
 TREND: 108.5 120.8 118.0 91.7 81.0

% POS CHANGES: 52.2 50.0 49.2 50.0 46.0 43.5 37.7 43.3 39.0 34.5 33.3 32.1
 % TURNS: 49.3 31.8 30.8 31.3 23.8 27.4 29.5 23.3 23.7 31.0 28.1 39.3

MEAN STDEV 1 2 3 4 5 6 7 8 9 10 11 12 CHI-SQ

RAW DATA 25710 9945 + + + + + + + + + + + +

RAW INT -353 9431 + + + + + + + + + + + +

CROSS CORR
CROSS INTEG

	MEAN	RMSE	THEIL	BIAS	REGR	DIST	OLC	RMSE	OLC	THEIL
12-MO AVG	-3313	9930	.69	.11	.02	.87	9252	.65		
* LAST YEAR	-4007	9992	.70	.16	.10	.73	8544	.60		
18-MO AVG	-3504	10782	.75	.11	.01	.89	10119	.71		
NAR1C LAG	-4308	10889	.78	.16	.00	.84	9973	.70		
NAR2C LAG	-4552	11184	.78	.17	.01	.82	10093	.70		
NAR1C	-5856	11197	.78	.28	.03	.69	9279	.65		
GLOBAL MN	-4904	11356	.79	.19	.02	.79	10100	.70		
NAR2C	-6480	11604	.81	.32	.00	.68	9576	.67		
INAR3C HARM	-2958	11822	.82	.06	.17	.77	10360	.72		
INAR3C LAG	-3700	12050	.84	.10	.19	.72	10194	.71		
NAR3C LAG	-5188	12257	.85	.18	.10	.71	10355	.72		
INAR2C HARM	-3731	12488	.87	.09	.22	.69	10343	.72		
6-MO AVG	-2581	12572	.88	.11	.04	.68	10382	.72		
NAR2C HARM	-5757	12624	.88	.21	.12	.67	10320	.72		
NAR1C HARM	-5795	12661	.88	.21	.12	.67	10330	.72		
NAR3C HARM	-5925	12778	.89	.22	.13	.65	10314	.72		
INAR2C LAG	-3808	12973	.90	.09	.27	.64	10355	.72		
NAR3C	-7017	13020	.91	.30	.08	.62	10267	.72		
INAR3C	-1763	13386	.93	.09	.27	.64	10355	.72		
INAR1C HARM	-3608	13394	.93	.02	.38	.60	10379	.72		
DLA	-2401	13895	.97	.07	.32	.60	10384	.72		
INAR1C LAG	-3526	14140	.99	.11	.03	.56	10380	.72		
LAST LT/PC	-2236	14339	1.00	.06	.40	.53	10333	.72		
INAR2C	-2535	14570	1.02	.02	.45	.52	10386	.72		
INAR1C	-2675	15623	1.09	.03	.47	.50	10289	.72		
				.03	.55	.42	10090	.70		

Table C-1
(continued)

Seasonal Index

$$S I_j = S_j / M, j = 1, 12$$

Trend Index

$$T I_i = T_i / M, i = 1, t$$

$$W_1 = 12 \sum_{i=1}^t (T_i - M)^2$$

$$W_2 = t \sum_{j=1}^{12} (S_j - M)^2$$

$$W_3 = \sum_{i=1}^t \sum_{j=1}^{12} (d_{i,j} - M)^2$$

$$W_4 = W_3 - W_2 - W_1$$

$$TREND = W_1 / W_3$$

$$SEAS = W_2 / W_3$$

$$RAND = 1 - TREND - SEAS$$

$$F_t = \frac{W_1}{W_4}, \text{ F-statistic, trend}$$

$$F_s = \frac{W_2}{(t-1)W_4}, \text{ F-statistic, seasonal}$$

For series in this study, an F-statistic of 3 or greater indicated significance.

- (12) % Positive Changes - The percent of time the actual demand increased from month to month divided by the length of the series minus one.
- (13) % Turns - The percent of time the actual demand changed direction from month to month divided by the length of the series minus two.
- (14) Raw Data - Actual demand accumulated over leadtime or procurement cycle.
- (15) Mean - The arithmetic average of the leadtime or procurement cycle demands.
- (16) STDEV - The dispersion of the leadtime or procurement cycle demand about its mean.
- (17) RAW INT - The series of differences of adjacent terms in the (Integrated cumulative leadtime or procurement cycle demands series. Data)

(18) Demand Autocorrelation Analysis - The identification of patterns in the cumulative leadtime and procurement cycle demand was accomplished through the examination of the sample autocorrelation coefficients of the series. Large autocorrelation coefficients at various lags can indicate trends and/or seasonality. The definition of the autocorrelation coefficients is as follows:

Autocorrelation coefficients r_i , $i = 1, n-1$:

$$r_0 = 1$$

$$r_k = \frac{\sum_{i=1}^{n-k} (d_t - \bar{d})(d_{t+k} - \bar{d})}{\sum_{i=1}^n (d_t - \bar{d})^2}$$

where: r_k = autocorrelation coefficient for time lag k

d_t = demand for time period t

\bar{d} = mean of series

n = number of points in series

In this study, the sample autocorrelation coefficients were examined for lags 1, 2, 3, . . . , 11, 12. Let N be the number of points in the leadtime or procurement cycle demand series.

If $R_k > \frac{1.96}{\sqrt{N}}$, then "+" is printed at the K th lag

If $R_k < -\frac{1.96}{\sqrt{N}}$, then "-" is printed at the K th lag

If $-\frac{1.96}{\sqrt{N}} < R_k < \frac{1.96}{\sqrt{N}}$, then "." is printed at the K th lag

The correlation between the leadtime and procurement cycle demands K periods apart may be due to correlation with the variables less than K periods apart. To adjust for this correlation, the partial autocorrelation at lag K is derived below. In this study, sample partial autocorrelation coefficients for lags 1, 2, 3, . . . , 11, 12 were included.

where: $|q|$ = $i \times 1$ matrix with $q_j = r_i$
 $|Q|$ = $i \times i$ matrix with $Q_{jk} = r_{|j-k|}$; $j = 1, i$; $k = 1, i$
 $|p|$ = $i \times 1$ matrix
 $|j-k|$ = absolute value of $j - k$
 r_i = autocorrelation for lag i

The sample autocorrelation and partial autocorrelation coefficients for the leadtime/procurement cycle data and integrated leadtime/procurement cycle data were included to assist the analyst in model identification phase.

If $P_k > 1.96$, then "+" is printed at the k th lag

If $P_k < -1.96$, then "-" is printed at the k th lag

If $-1.96 < P_k < 1.96$, then "." is printed at the k th lag

The lag partial autocorrelation is an attempt to compute correlation for data $LT - 1$ periods or $PC - 1$ periods apart. The lag partial removes the correlations from data $LT + 1$ to $k - 1$ for leadtime demand and $LT + PC + 1$ to $k - 1$ for periods for procurement cycle demand.

The lag partial autocorrelation coefficient determination is similar to the partial autocorrelation coefficient calculation except that:

$q_j = r_i + LT$ for LT demand series
 and
 $q_j = r_i + LT + PC$ for PC demand series

In the formulation of autoregressive models in this study, the predictor period varied from one month to leadtime/procurement cycle to six months while the predictive period remained leadtime/procurement cycle. To examine the correlation between monthly and leadtime/procurement cycle data, monthly and integrated monthly and integrated leadtime/procurement cycle sets of data, the cross correlation between these sets of data at the various lags was calculated.

Let R_{CK} be the correlation between the monthly and leadtime/procurement cycle data.

For example, suppose leadtime = 6 months and the predictor period is monthly, time = 1, and we wish to examine the correlation between

$$d_i, i = 1, N - LT + 1 \text{ and } d_t = \sum_{j=1}^{LT} d_{i+j}$$

at time = 10

$$\text{Lag 1} - d_{11} + d_{12} + d_{13} + d_{14} + d_{15} + d_{16}$$

$$\text{Lag 2} - d_{12} + d_{13} + d_{14} + d_{15} + d_{16} + d_{17}$$

$$\text{Lag 3} - d_{13} + d_{14} + d_{15} + d_{16} + d_{17} + d_{18}$$

$$\text{Lag 4} - d_{14} + d_{15} + d_{16} + d_{17} + d_{18} + d_{19}$$

$$\text{Lag 5} - d_{15} + d_{16} + d_{17} + d_{18} + d_{19} + d_{20}$$

.

$$\text{Lag 12} - d_{22} + d_{23} + d_{24} + d_{25} + d_{26} + d_{27}$$

We calculate the correlation between d_i and $\sum_{j=1}^{LT} d_{i+j}$ and d_i and $\sum_{j=1}^{PC} d_{i+j+LT}$, respectively, when:

If $R_{ck} > 1.96$, then "+" is printed at the kth lag

If $R_{ck} < -1.96$, then "-" is printed at the kth lag

If $-1.96 < R_{ck} < 1.96$, then "." is printed at the kth lag

The same cross correlation analysis is performed for integrated monthly versus the integrated leadtime/procurement cycle data.

CHI-Square is a measure of randomness of the various sets of data.

$$\bar{X} = N * \sum_{i=1}^{12} R_i^2$$

where R_i is the appropriate correlation coefficient, and N is the number of data elements. For the series in this study, a X value greater than 20 is a general indicator of nonrandomness or pattern.

Forecast Model Ranking and Error Analysis

Model Acronym	See Appendix A for formula and long title
MEAN	<p>The average forecast error over the evaluation period,</p> $\frac{\sum_{i=1}^N (A - F)}{N}$ <p>where A is the actual and F is the forecasted demand, respectively.</p>
RMSE	<p>The square root of the sum of squares of forecast errors over the evaluation period,</p> $\left(\sum_{i=1}^N (A - F)^2 / N \right)^{1/2}$
THEIL	Theil's U-statistic which is the ratio of the RMSE of the forecast technique under study to the RMSE of the no change (last LT/PC) technique.
Autocorrelation Analysis	The same as performed in paragraph (18) above except the errors rather than actual data are studied.
BIAS	<p>Theil's Bias proportion,</p> $U^M = \left(\frac{\bar{F} - \bar{A}}{RMSE} \right)^2$ <p>where \bar{F} is the mean LT/PC forecast, \bar{A} is the mean actual LT/PC demand over the evaluation period.</p>
REGR	<p>Theil's regression proportion,</p> $U^R = \left(\frac{s_F r s_A}{RMSE} \right)^2$ <p>where s_F is the standard deviation of the forecasts over the evaluation period, r is the correlation coefficient between the forecast and actual data, and s_A is the standard deviation of the actuals over the evaluation period</p>
DIST	<p>Theil's disturbance proportion,</p> $U^D = \frac{(1 - r^2) S_A^2}{MSE}$
OLC RMSE	The RMSE based on an optimal linear correction of the forecasts after the fact; $RMSE \times (DIST)^{1/2}$
OLC THEIL	The ratio of the OLC RMSE and the RMSE for the no change (last LT/PC) technique.

The Bias and Regression proportions relate to systematic forecast errors in central tendency and unequal variation between the forecasts and actual demand. If it is assumed that the process generating the actual demand and the forecast technique do not change, then an optimal linear correction of forecasts, F , on the actuals, A , can reduce the systematic forecast errors to zero, leaving only unsystematic error based on random variation, measured by the disturbance proportion. The forecast F are corrected as follows:

$$F' = a + b F$$

$$b = R S_A / S_F$$

$$a = \bar{A} - b \bar{F}; \text{ where } \bar{A}, \bar{F} \text{ are the means of the actual and forecasted values}$$

where R is the correlation coefficient when F is regressed on A and S_F and S_A are the standard deviations of the forecasts and actuals, respectively.

Upon completion of the model evaluation, the phase involving summary statistics of model assignment to item/warehouse groups begins. The objective of this phase is to employ unbiased forecast method that significantly reduce the demand variance relative to present DLA methods. A small set (less than 10) is desired for ease of implementation.

Software was developed to analyze the assignment of individual as well as groups of forecast methods. Performance was ranked in deciles from -100% to 100% in terms of reduction of RMSE from a base model (e.g., present DLA methods). The average performance and standard deviation about the performance of each method were considered.

The Theil Bias proportion, U^M , was used as a measure of bias. When $U^M > .2$, the forecast model is unacceptably biased. The average (mean) bias and standard deviation about that average were analyzed. The additional percentage error accepted due to employing present DLA methods in lieu of newly assigned methods is calculated (e.g., $((100/\text{Performance})-1)$).

Two stage forecasting can be employed when the average bias for a majority of assigned models exceeds .2. A pre-correction for mean bias was developed where the forecast is adjusted by the past average error.

$$F' = F + \sum_{i=1}^J \frac{(A-F)}{J} \quad \text{for } J = 1, \dots, N$$

where N is the length of the evaluation period

This differs from the post correction defined earlier in the report and reflects how two stage forecasting would be implemented in practice.

A pre-correction for mean bias and regression bias is also used which is similar to the post-optimal linear correction,

$$F' = a + bF$$

$$b = R S_A / S_F$$

$a = \bar{A} - b \bar{F}$; where A, F are the means of the actual and forecasted values

however, the values are calculated throughout the evaluation period rather than at the end as in the post correction.

Appendix D

Model Assignment Analyses for the
Elementary Model Group

Appendix D

Model Assignment Analyses for the Elementary Model Group

ANALYSIS INPUT DATA

OTRACKING BASED ON MAD SMOOTHED WITH CONSTANT ALPHA OF .2

PERISHABLE SUBSISTENCE

ELEMENTARY MODEL GROUP

FORECAST FILE: 7

MODEL TITLES FILE: 11

SELECT: ALL

POST-FORECAST THEIR ADJUSTMENT: NONE

RANDOM RESIDUAL CHECK: NO

BASE MODEL (20): DLA

CHI-SQUARE LIMITATION: NONE

MODELS ON FILE:	1: GLOBAL MEAN	2: 12-MO AVG	3: 24-MO AVG	4: 36-MO AVG	5: SES(.05)
	6: SES(.10)	7: SES(.15)	8: SES(.20)	9: SES(.25)	10: SES(.30)
	11: DES(.10)	12: DES(.20)	13: DES(.30)	14: ARRS(.10)	15: ARRS(.20)
	16: ARRS(.30)	17: COMBINED	18: LAST LT/PC	19: LAST YEAR	20: DLA
	21: AR1 LAG	22: NAR1 LAG	23: LAR1 LAG	24: LNAR1 LAG	25: SAR1 LAG
	26: SNAR1 LAG				

ANALYZED MODELS: 7: SES(.15) 18: LAST LT/PC 19: LAST YEAR

TROOP ISSUE AND BRAND NAME

LEADTIME 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

7- 548 782 627 549 590 904 1639 464 376 311 153 30 3 255 112 58 562 1117 522 59
 101 94 55 86 96 103
 18- 8 6 2 4 17 8 195 43 80 103 31 36 3 28 63 57 72 195 0 97
 25 19 18 24 28 22
 19- 25 52 40 26 27 22 157 0 0 0 0 0 2 0 0 4 2 159 2
 52 36 23 32 52 40

PREFER 581 840 669 579 634 934 0 507 456 414 184 66 6 285 175 115 638 0 0 158
 178 149 96 142 176 165

ACCEPT 0 0 0 0 0 0 0 1991 0 0 0 0 0 0 0 0 0 1314 681 0

ASSIGN 0 0 0 0 0 0 0 1639 0 0 0 0 0 0 0 0 0 195 159 0

AVERAGE STD DEV INDEX (BASE MODEL 20): 84.6 1993 SERIES ACCEPTED

REDUCTION IN BASE RMSE

MODEL 100 90 80 70 60 50 40 30 20 10 0 -10 -20 -30 -40 -50 -60 -70 -80 -90 -100

1: 0 0 0 0 0 0 0 1 7 133 338 449 347 225 139 95 57 51 30 21 16 18 66
 2: 0 0 0 0 0 0 0 4 142 508 608 404 151 87 43 23 13 7 0 1 0 2
 3: 0 0 0 0 0 0 0 1 4 160 415 540 351 225 106 78 35 17 19 13 7 5 17
 4: 0 0 0 0 0 0 0 8 131 388 457 369 209 151 77 62 36 24 12 9 13 47
 5: 0 0 0 0 0 0 0 1 5 133 386 510 381 203 130 68 49 35 23 13 12 6 38
 6: 0 0 0 0 0 0 0 2 118 512 665 387 164 66 30 24 8 6 1 2 2 2
 7: 0 0 0 0 0 0 0 1 74 522 768 399 142 56 17 8 3 0 0 3 0 0
 8: 0 0 0 0 0 0 0 32 465 857 443 146 37 9 1 1 2 0 0 0 0 0
 9: 0 0 0 0 0 0 0 6 352 948 518 138 26 3 0 2 0 0 0 0 0 0
 10: 0 0 0 0 0 0 0 1 215 1009 618 134 13 3 0 0 0 0 0 0 0 0
 11: 0 0 0 0 0 0 0 0 21 295 750 555 202 96 38 22 9 3 0 0 1 1
 12: 0 0 0 0 0 0 0 0 0 3 291 975 532 158 28 6 0 0 0 0 0 0
 13: 0 0 0 0 0 0 0 0 0 1 129 1117 622 117 7 0 0 0 0 0 0 0
 14: 0 0 0 0 0 0 0 0 37 373 722 521 198 78 34 18 7 3 0 0 1 1
 15: 0 0 0 0 0 0 0 0 1 106 663 766 354 85 16 2 0 0 0 0 0 0
 16: 0 0 0 0 0 0 0 0 1 7 278 951 639 109 8 0 0 0 0 0 0 0
 17: 0 0 0 0 0 0 0 0 1 80 430 692 555 204 28 3 0 0 0 0 0 0
 18: 0 0 0 0 0 0 0 0 0 7 100 818 909 143 16 0 0 0 0 0 0 0
 19: 0 0 1 2 1 5 8 31 99 185 321 329 281 246 171 100 54 36 33 26 64
 20: 0 0 0 0 0 0 0 0 0 0 0 1993 0 0 0 0 0 0 0 0 0
 21: 0 0 0 0 0 0 0 2 6 26 85 259 498 576 308 119 38 25 14 12 8 2 13
 22: 0 0 0 0 0 0 0 3 24 105 335 561 491 236 100 44 26 16 9 8 21
 23: 0 0 0 0 0 0 0 3 16 56 164 351 379 201 123 74 37 25 16 13 26
 24: 0 0 0 0 0 0 0 5 17 84 278 578 525 272 102 49 22 17 10 8 3 21
 25: 0 0 0 0 0 0 0 2 6 22 82 269 499 562 313 124 44 27 11 9 10 0 11
 26: 0 0 0 0 0 0 0 2 4 24 106 330 589 510 220 97 40 14 15 11 5 7 17

INDIVIDUAL MODEL V.S. BASE MODEL

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26															
102.4	88.0	92.8	97.9	96.3	88.0	86.7	86.9	87.6	88.6	91.4	98.3	108.7	90.0	93.6	98.0	87.3	100.6	115.7	100.0	
103.7	102.7	111.9	103.4	103.3	101.5															
39.8	15.8	23.3	31.4	30.6	15.9	12.0	10.0	8.6	7.5	13.6	8.7	6.6	13.3	9.4	7.5	10.4	6.8	32.3	.0	
21.5	24.6	24.1	21.5	18.8	20.7															
-.06	.76	.31	.07	.12	.75	1.10	1.31	1.44	1.53	.63	.20	-1.32	.75	.68	.26	1.22	-.08	-.49	.00	
-.17	-.11	-.49	-.16	-.17	-.07															

REDUCTION IN BASE RMSE FOR ASSIGNED MODELS

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
7:	0	0	0	0	0	1	72	493	680	332	60	1	0	0	0	0	0	0	0	0	1639 16.1
18:	0	0	0	0	0	0	0	3	13	82	93	4	0	0	0	0	0	0	0	0	195 .9
19:	0	1	2	1	5	8	29	57	43	11	2	0	0	0	0	0	0	0	0	0	159 25.6
	0	1	2	1	5	9	101	552	737	425	155	5	0	0	0	0	0	0	0	0	0

[illegible]

MODEL BIAS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26										
.245	.059	.126	.182	.186	.091	.058	.041	.032	.026	.042	.010	.005	.046	.016	.012	.028	.013
.083	.010	.067	.060	.067	.056	.063	.058										
.242	.096	.184	.203	.208	.131	.096	.075	.062	.052	.083	.022	.012	.086	.031	.024	.048	.033
.118	.024	.096	.092	.095	.085	.092	.088										

ASSIGNMENT BIAS

7	18	19
.045	.057	.084
.070	.078	.117

PERCENT REDUCTION IN BASE MODEL S.D.

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
	0	1	2	1	5	9	101	552	737	425	155	5	0	0	0	0	0	0	0	0	0

AVERAGE BASE S.D./ASSIGNED S.D. =120.5

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
	0	0	0	0	0	0	0	0	0	5	153	367	536	500	280	98	27	9	7	1	10

TROOP ISSUE AND BRAND NAME

PROC CYCLE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	21	22	23	24	25	26														

7*	717	942	806	731	779	1071	1836	455	427	356	185	59	11	340	221	145	775	1024	812	114
	98	51	1	49	1	46														
18*	2	2	1	0	4	2	46	10	21	25	8	9	3	10	22	21	22	46	0	36
	11	2	1	2	1	1														
19*	34	54	49	37	32	27	111	0	0	0	0	0	0	0	0	0	15	0	111	0
	37	2	0	3	0	3														

PREFER	753	998	856	768	815	1100	0	505	448	381	193	68	14	350	243	166	812	0	0	150
	146	55	2	54	2	50														

ACCEPT	0	0	0	0	0	0	1993	0	0	0	0	0	0	0	0	0	0	1070	923	0
	0	0	0	0	0	0	0													

ASSIGN	0	0	0	0	0	0	1836	0	0	0	0	0	0	0	0	0	0	46	111	0
	0	0	0	0	0	0	0													

AVERAGE STD DEV INDEX (BASE MODEL 20): 88.0

1993 SERIES ACCEPTED

REDUCTION IN BASE RMSE

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
-------	-----	----	----	----	----	----	----	----	----	----	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	------

1:	0	0	0	0	0	0	3	26	324	593	442	263	124	71	45	17	22	11	12	9	31
2:	0	0	0	0	0	0	1	26	366	819	518	188	50	16	4	3	1	1	0	0	0
3:	0	0	0	0	0	0	0	36	377	682	487	220	98	43	22	11	4	7	3	0	3
4:	0	0	0	0	0	0	1	24	351	623	474	233	129	55	37	21	14	8	5	3	15
5:	0	0	0	0	0	1	2	24	304	720	481	225	107	50	25	14	12	5	6	6	11
6:	0	0	0	0	0	0	7	288	949	514	162	42	18	6	3	2	1	1	0	0	0
7:	0	0	0	0	0	0	0	2	183	1057	592	123	27	6	1	2	0	0	0	0	0
8:	0	0	0	0	0	0	0	1	73	1101	697	107	11	1	2	0	0	0	0	0	0
9:	0	0	0	0	0	0	0	0	17	1035	841	89	9	2	0	0	0	0	0	0	0
10:	0	0	0	0	0	0	0	0	5	826	1079	74	9	0	0	0	0	0	0	0	0
11:	0	0	0	0	0	0	0	0	39	751	847	256	64	21	9	3	2	0	0	0	1
12:	0	0	0	0	0	0	0	0	0	20	712	1028	196	22	8	1	0	0	0	0	0
13:	0	0	0	0	0	0	0	0	0	0	16	417	1055	430	73	2	0	0	0	0	0
14:	0	0	0	0	0	0	0	1	99	889	742	212	36	6	4	2	0	1	0	0	1
15:	0	0	0	0	0	0	0	0	6	317	1304	334	27	3	1	1	0	0	0	0	0
16:	0	0	0	0	0	0	0	0	0	67	1087	818	19	2	0	0	0	0	0	0	0
17:	0	0	0	0	0	1	3	215	904	723	140	7	0	0	0	0	0	0	0	0	0
18:	0	0	0	0	0	0	0	0	0	0	19	746	1165	61	2	0	0	0	0	0	0
19:	0	0	0	2	1	6	8	10	63	119	226	409	382	303	218	119	58	32	12	12	13
20:	0	0	0	0	0	0	0	0	0	0	0	1993	0	0	0	0	0	0	0	0	0
21:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:	0	0	0	0	0	0	1	2	70	177	477	710	341	110	36	15	9	9	4	0	11
23:	0	0	0	0	0	0	0	0	30	147	355	540	404	247	141	48	25	13	12	10	18
24:	0	0	0	0	0	0	0	0	1	4	6	17	23	37	52	64	77	84	90	101	1437
25:	0	0	0	0	0	0	0	4	20	148	356	493	429	255	133	75	24	26	6	8	16
26:	0	0	0	0	0	0	0	1	4	6	17	23	36	51	63	79	85	90	99	1439	
								2	25	147	357	544	418	244	134	53	24	16	7	6	15

INDIVIDUAL MODEL V.S. BASE MODEL

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	21	22	23	24	25	26														
97.4	88.7	91.4	94.5	93.7	89.0	88.8	89.4	90.4	91.4	93.6	102.6	115.7	91.2	95.2	99.0	89.0	111.4	115.8	100.0	
104.3	112.1	242.9	112.3	243.0	111.4															
26.5	10.7	15.4	20.8	21.3	10.5	7.9	6.5	5.5	4.7	10.2	6.5	7.3	8.9	5.9	4.8	7.5	4.9	23.6	.0	
19.0	24.9	82.1	20.7	82.1	21.0															
.10	1.05	.56	.26	.30	1.04	1.42	1.63	1.76	1.84	.63	-.39	-2.16	.99	.81	.20	1.48	-2.34	-.67	.00	
-.22	-.49	-1.74	-.60	-1.74	-.54															

REDUCTION IN BASE RMSE FOR ASSIGNED MODELS

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
7:	0	0	0	0	0	0	0	2	151	983	585	107	8	0	0	0	0	0	0	0	0
18:	0	0	0	0	0	0	0	0	0	0	10	34	2	0	0	0	0	0	0	0	0
19:	0	0	2	1	6	8	10	53	31	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	2	1	6	8	12	203	1015	595	141	10	0	0	0	0	0	0	0	0	0
																		</			

[illegible]

MODEL BIAS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26										
.190	.050	.099	.141	.141	.072	.048	.036	.029	.025	.037	.010	.006	.037	.015	.013	.029	.009
.052	.013	.050	.053	.844	.053	.844	.051										
.210	.084	.138	.172	.173	.109	.082	.067	.056	.049	.071	.020	.012	.071	.031	.027	.051	.020
.080	.028	.078	.082	.103	.079	.103	.080										

ASSIGNMENT BIAS

7	18	19
.045	.050	.046
.073	.058	.079

PERCENT REDUCTION IN BASE MODEL S.D.

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
	0	0	2	1	6	8	12	203	1015	595	141	10	0	0	0	0	0	0	0	0	0

AVERAGE BASE S.D./ASSIGNED S.D. =115.0

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
	0	0	0	0	0	0	0	0	0	8	142	508	819	405	73	15	4	2	3	3	11

ANALYSIS INPUT DATA

TRACKING BASED ON MAD SMOOTHED WITH CONSTANT ALPHA OF .2
 # SEMIPERISHABLE SUBSISTENCE
 # ELEMENTARY MODEL GROUP

FORECAST FILE: 8
 MODEL TITLES FILE: 11
 SELECT: ALL
 POST-FORECAST THEIL ADJUSTMENT: NONE
 RANDOM RESIDUAL CHECK: NO
 BASE MODEL (20): DLA
 CHI-SQUARE LIMITATION: NONE

MODELS ON FILE:	1: GLOBAL MEAN	2: 12-MO AVG	3: 24-MO AVG	4: 36-MO AVG	5: SES(.05)
	6: SES(.10)	7: SES(.15)	8: SES(.20)	9: SES(.25)	10: SES(.30)
	11: DES(.10)	12: DES(.20)	13: DES(.30)	14: ARRS(.10)	15: ARRS(.20)
	16: ARRS(.30)	17: COMBINED	18: LAST LT/PC	19: LAST YEAR	20: DLA
	21: AR1 LAG	22: NAR1 LAG	23: LAR1 LAG	24: LNAR1 LAG	25: SAR1 LAG
	26: SNAR1 LAG				

ANALYZED MODELS: 17: COMBINED 18: LAST LT/PC 19: LAST YEAR

TROOP ISSUE AND BRAND NAME

LEADTIME 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
21 22 23 24 25 26

17* 480 499 616 539 564 711 471 359 249 180 178 2 1 381 45 19 1527 1046 481 233
210 218 120 172 215 225
18* 28 36 28 27 40 46 56 69 71 62 23 1 0 40 20 14 143 147 4 52
8 16 6 16 10 17
19* 52 110 95 58 57 61 42 20 13 5 8 0 0 18 0 0 248 10 258 13
44 38 32 27 47 42

PREFER 560 645 740 624 661 818 569 448 333 247 209 3 1 439 65 33 0 0 0 298
262 272 158 215 272 284

ACCEPT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1918 1203 743 0

ASSIGN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1527 147 258 0

AVERAGE STD DEV INDEX (BASE MODEL 20): 89.9 1932 SERIES ACCEPTED

REDUCTION IN BASE RMSE

MODEL 100 90 80 70 60 50 40 30 20 10 0 -10 -20 -30 -40 -50 -60 -70 -80 -90 -100

1: 0 0 0 0 0 2 10 38 113 239 254 196 175 121 93 85 64 54 61 56 46 325
2: 0 0 0 0 0 0 0 3 50 185 499 578 365 160 62 18 7 1 0 0 1
3: 0 0 0 0 0 0 0 3 39 119 272 372 338 236 159 148 81 61 38 20 14 15 17
4: 0 0 0 0 0 3 7 32 123 251 305 239 194 145 114 90 90 62 68 39 34 136
5: 0 0 0 0 0 6 25 120 250 362 233 169 120 89 72 82 51 50 38 40 225
6: 0 0 0 0 0 3 42 234 581 429 261 152 95 54 39 19 11 5 1 6
7: 0 0 0 0 0 0 2 82 621 781 282 111 35 10 5 1 1 0 1 0 0
8: 0 0 0 0 0 0 0 1 13 349 1138 355 65 9 2 0 0 1 0 0 0
9: 0 0 0 0 0 0 0 0 1 2 134 1046 682 64 2 0 0 1 0 0 0 0
10: 0 0 0 0 0 0 0 0 1 1 71 743 966 138 11 0 1 0 0 0 0 0
11: 0 0 0 0 0 0 0 0 0 0 3 39 760 895 170 32 13 7 2 6 1 2 2
12: 0 0 0 0 0 0 0 0 0 0 1 15 115 563 665 324 148 63 21 12 4 1
13: 0 0 0 0 0 0 0 0 0 0 0 3 19 57 165 325 400 331 209 124 96 202
14: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0
15: 0
16: 0
17: 0
18: 0
19: 0
20: 0
21: 0
22: 0
23: 0
24: 0
25: 0
26: 0

INDIVIDUAL MODEL V.S. BASE MODEL

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	21	22	23	24	25	26														
131.3	94.8	100.2	114.1	121.1	97.0	94.4	95.8	98.4	101.3	102.6	125.8	155.2	97.1	109.8	121.0	91.8	107.3	116.7	100.0	
113.0	113.2	131.5	114.8	111.5	111.3															
71.4	14.2	27.9	47.7	63.3	20.2	10.9	7.3	6.1	6.5	9.8	13.1	27.3	7.9	8.6	14.1	9.6	10.0	29.2	.0	
30.3	37.9	57.6	36.1	27.5	32.9															
-.44	.37	-.01	-.30	-.33	.15	.51	.57	.27	-.20	-.26	-1.96	-2.02	.37	-1.15	-1.49	.86	-.73	-.57	.00	
-.43	-.35	-.55	-.41	-.42	-.34															

REDUCTION IN BASE RMSE FOR ASSIGNED MODELS

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100	
17:	0	0	0	0	0	0	2	19	128	466	674	205	32	1	0	0	0	0	0	0	1527	8.4
18:	0	0	0	0	0	0	0	0	1	33	60	41	11	1	0	0	0	0	0	0	147	2.9
19:	0	0	0	1	4	7	26	47	70	61	29	12	1	0	0	0	0	0	0	0	258	24.2
	0	0	0	1	4	7	28	66	199	559	764	258	44	2	0	0	0	0	0	0	0	

[illegible]

MODEL BIAS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
.19	.20	.21	.22	.23	.24	.25	.26										
.461	.100	.197	.306	.333	.184	.103	.074	.058	.047	.077	.013	.006	.065	.027	.021	.056	.043
.113	.033	.124	.111	.139	.095	.115	.104										
.318	.119	.192	.244	.264	.186	.119	.092	.074	.061	.110	.024	.012	.094	.040	.029	.079	.063
.132	.055	.138	.135	.149	.122	.134	.130										

ASSIGNMENT BIAS

2	17	18	19
.086	.054	.094	.105
.107	.078	.104	.121

PERCENT REDUCTION IN BASE MODEL S.D.

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
	0	0	1	4	7	29	73	230	649	711	204	24	0	0	0	0	0	0	0	0	0

AVERAGE BASE S.D./ASSIGNED S.D. =115.4

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
	0	0	0	0	0	0	0	0	0	18	202	649	542	254	131	56	30	14	11	7	18

TROOP ISSUE AND BRAND NAME

PROC CYCLE 1 2 3 4 5 6 7 8 9 10 11 12 14 15 16 17 18 19 20 21

17* 589 669 779 660 700 898 592 464 361 267 159 3 534 176 98 1756 973 783 353 160
 139 7 145 6 146
 18* 9 1 5 8 10 6 7 14 20 22 9 2 12 18 16 53 55 2 10 8
 2 0 1 0 2
 19* 18 28 30 19 23 16 11 10 5 4 3 0 10 3 0 119 2 121 5 22
 13 0 14 0 14

PREFER 616 698 814 687 733 920 810 488 386 293 171 5 556 197 114 0 0 0 368 190
 154 7 160 6 162

ACCEPT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1928 1030 906 0 0

ASSIGN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1756 55 121 0 0

AVERAGE STD DEV INDEX (BASE MODEL 20): 93.4 1932 SERIES ACCEPTED

REDUCTION IN BASE RMSE

MODEL 100 90 80 70 60 50 40 30 20 10 0 -10 -20 -30 -40 -50 -60 -70 -80 -90 -100

1: 0
 2: 0
 3: 0
 4: 0
 5: 0
 6: 0
 7: 0
 8: 0
 9: 0
 10: 0
 11: 0
 12: 0
 13: 0
 14: 0
 15: 0
 16: 0
 17: 0
 18: 0
 19: 0
 20: 0
 21: 0
 22: 0
 23: 0
 24: 0
 25: 0
 26: 0

INDIVIDUAL MODEL V.S. BASE MODEL

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	21	22	23	24	25	26														
118.5	97.0	99.5	107.6	111.8	97.4	96.3	97.4	99.2	101.3	106.7	134.2	175.4	97.9	105.8	112.6	94.2	119.5	121.3	100.0	
113.2	116.6	237.0	117.6	237.4	114.9															
47.2	9.9	19.0	31.2	40.8	13.8	8.1	5.6	4.6	5.0	9.5	21.0	45.9	5.9	7.4	12.1	7.6	14.2	22.8	.0	
28.7	32.7	103.3	31.6	103.1	25.3															
-.39	.31	.02	-.24	-.29	.19	.46	.46	.16	-.27	-.70	-1.62	-1.64	.36	-.79	-1.05	.76	-1.37	-.93	.00	
-.46	-.51	-1.33	-.56	-1.33	-.59															

REDUCTION IN BASE RMSE FOR ASSIGNED MODELS

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100	
17:	0	0	0	0	0	0	0	11	81	370	906	378	9	1	0	0	0	0	0	0	1756	5.9
18:	0	0	1	0	0	0	0	2	8	33	10	1	0	0	0	0	0	0	0	0	55	6.3
19:	0	0	0	0	0	3	3	6	26	38	40	5	0	0	0	0	0	0	0	0	121	15.9
	0	0	1	0	3	3	17	108	417	979	392	11	1	0	0	0	0	0	0	0	0	

[illegible]

MODEL BIAS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26										
.368	.095	.163	.245	.271	.140	.098	.078	.066	.058	.084	.020	.010	.067	.040	.033	.064	.033
.070	.046	.098	.101	.826	.091	.827	.094										
.280	.126	.175	.215	.231	.155	.126	.109	.096	.087	.111	.035	.019	.105	.068	.056	.097	.063
.095	.081	.112	.119	.117	.118	.117	.115										

ASSIGNMENT BIAS

17	18	19
.062	.100	.078
.096	.127	.102

PERCENT REDUCTION IN BASE MODEL S.D.

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
	0	0	1	0	3	3	17	108	417	979	392	11	1	0	0	0	0	0	0	0	0

AVERAGE BASE S.D./ASSIGNED S.D. = 108.1

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
	0	0	0	0	0	0	0	0	5	363	940	412	135	49	10	8	4	1	1	1	4

Appendix E

Model Assignment Analyses for the
Secondary Model Group

Appendix E

Model Assignment Analyses for the Secondary Model Group

ANALYSIS INPUT DATA

① TRACKING BASED ON MAD SMOOTHED WITH CONSTANT ALPHA OF .2
② PERISHABLE SUBSISTENCE
③ SECONDARY MODEL GROUP

FORECAST FILE: 7

MODEL TITLES FILE: 11

SELECT: ALL

POST-FORECAST THEIL ADJUSTMENT: NONE

RANDOM RESIDUAL CHECK: NO

BASE MODEL (20): DLA

CHI-SQUARE LIMITATION: NONE

MODELS ON FILE:	1: GLOBAL MEAN	2: 12-MO AVG	3: 24-MO AVG	4: 36-MO AVG	5: SES(.05)
	6: SES(.10)	7: SES(.15)	8: SES(.20)	9: SES(.25)	10: SES(.30)
	11: DES(.10)	12: DES(.20)	13: DES(.30)	14: ARRS(.10)	15: ARRS(.20)
	16: ARRS(.30)	17: COMBINED	18: LAST LT/PC	19: LAST YEAR	20: DLA
	21: AR1 LAG	22: NAR1 LAG	23: LAR1 LAG	24: LNAR1 LAG	25: SAR1 LAG
	26: SNAR1 LAG				

ANALYZED MODELS: 2: 12-MO AVG 7: SES(.15) 18: LAST LT/PC 19: LAST YEAR

TROOP ISSUE AND BRAND NAME

LEADTIME 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

2- 214 840 247 209 211 184 782 55 49 41 40 6 0 62 18 5 104 6 52 11
 44 47 27 36 46 45
 7- 281 719 254 254 285 410 857 337 287 246 85 24 3 110 85 51 276 137 1 48
 34 28 19 31 35 34
 18- 8 14 2 4 17 8 175 37 74 97 25 32 3 23 58 54 66 189 0 94
 21 15 16 20 25 18
 19- 5 103 11 6 4 0 3 0 0 0 0 0 0 0 0 0 0 1 107 1
 35 22 19 20 36 26

PREFER 508 0 514 473 517 602 0 429 410 384 150 62 6 195 161 110 446 0 0 154
 134 112 81 107 142 123

ACCEPT 0 1676 0 0 0 0 0 1817 0 0 0 0 0 0 0 0 0 333 160 0
 0 0 0 0 0 0

ASSIGN 0 840 0 0 0 0 0 857 0 0 0 0 0 0 0 0 0 189 107 0
 0 0 0 0 0 0

AVERAGE STD DEV INDEX (BASE MODEL 20): 83.6 1993 SERIES ACCEPTED

REDUCTION IN BASE RMSE

MODEL 100 90 80 70 60 50 40 30 20 10 0 -10 -20 -30 -40 -50 -60 -70 -80 -90 -100

1: 0 0 0 0 0 1 7 133 338 449 347 225 139 95 57 51 30 21 16 18 66
 2: 0 0 0 0 0 0 4 142 508 608 404 151 87 43 23 13 7 0 1 0 2
 3: 0 0 0 0 0 1 4 160 415 540 351 225 106 78 35 17 19 13 7 5 17
 4: 0 0 0 0 0 0 8 131 388 457 369 209 151 77 62 36 24 12 9 13 47
 5: 0 0 0 0 0 1 5 133 386 510 381 203 130 68 49 35 23 13 12 6 38
 6: 0 0 0 0 0 0 2 118 512 665 387 164 66 30 24 8 6 1 2 2 2
 7: 0 0 0 0 0 0 1 74 522 768 399 142 56 17 8 3 0 0 3 0 0
 8: 0 0 0 0 0 0 0 32 465 857 443 146 37 9 1 1 2 0 0 0 0
 9: 0 0 0 0 0 0 0 6 352 948 518 138 26 3 0 2 0 0 0 0 0
 10: 0 0 0 0 0 0 0 1 215 1009 618 134 13 3 0 0 0 0 0 0 0
 11: 0 0 0 0 0 0 0 0 21 295 750 555 202 96 38 22 9 3 0 0 1 1
 12: 0 0 0 0 0 0 0 0 0 3 291 975 532 158 28 6 0 0 0 0 0
 13: 0 0 0 0 0 0 0 0 0 0 1 129 1117 622 117 7 0 0 0 0 0
 14: 0 0 0 0 0 0 0 0 37 373 722 521 198 78 34 18 7 3 0 0 1 1
 15: 0 0 0 0 0 0 0 1 106 663 766 354 85 16 2 0 0 0 0 0 0
 16: 0 0 0 0 0 0 0 1 7 278 951 639 109 8 0 0 0 0 0 0 0
 17: 0 0 0 0 0 0 1 80 430 692 555 204 28 3 0 0 0 0 0 0 0
 18: 0 0 0 0 0 0 0 0 7 100 818 909 143 16 0 0 0 0 0 0 0
 19: 0 0 1 2 1 5 8 31 99 185 321 329 281 246 171 100 54 36 33 26 64
 20: 0 0 0 0 0 0 0 0 0 0 0 1993 0 0 0 0 0 0 0 0 0
 21: 0 0 0 0 2 0 2 6 85 259 498 576 308 119 38 25 14 12 8 2 13
 22: 0 0 0 0 2 0 3 24 105 335 561 491 236 100 44 26 16 9 8 21
 23: 0 0 0 0 2 0 0 3 16 56 164 357 501 379 201 123 74 37 25 16 3 26
 24: 0 0 0 0 1 1 0 5 17 84 278 578 525 272 102 49 22 17 10 8 3 21

25:	0	0	2	0	2	6	22	82	269	499	562	313	124	44	27	11	9	10	0	11
26:	0	0	2	0	2	4	24	106	330	589	510	220	97	40	14	15	11	5	7	17

INDIVIDUAL MODEL V.S. BASE MODEL

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26															
102.4	88.0	92.8	97.9	96.3	88.0	86.7	86.9	87.6	88.6	91.4	98.3	108.7	90.0	93.6	98.0	87.3	100.6	115.7	100.0	
103.7	102.7	111.9	103.4	103.3	101.5															
39.8	15.8	23.3	31.4	30.6	15.9	12.0	10.0	8.6	7.5	13.6	8.7	6.6	13.3	9.4	7.5	10.4	6.8	32.3	.0	
21.5	24.6	24.1	21.5	18.8	20.7															
-.06	.76	.31	.07	.12	.75	1.10	1.31	1.44	1.53	.63	.20	-1.32	.75	.68	.26	1.22	-.08	-.49	.00	
-.17	-.11	-.49	-.16	-.17	-.07															

REDUCTION IN BASE RMSE FOR ASSIGNED MODELS

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
2:	0	0	0	0	0	4	127	365	261	72	11	0	0	0	0	0	0	0	0	0	840 21.4
7:	0	0	0	0	0	1	12	166	399	229	49	1	0	0	0	0	0	0	0	0	857 13.4
18:	0	0	0	0	0	0	0	3	13	79	90	4	0	0	0	0	0	0	0	0	189 .9
19:	0	1	2	1	5	8	24	37	21	7	1	0	0	0	0	0	0	0	0	0	107 28.5
	0	1	2	1	5	13	163	570	695	387	151	5	0	0	0	0	0	0	0	0	0

[illegible]

MODEL BIAS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26										
.245	.059	.126	.182	.186	.091	.058	.041	.032	.026	.042	.010	.005	.046	.016	.012	.028	.013
.083	.010	.067	.060	.067	.056	.063	.058										
.242	.096	.164	.203	.208	.131	.096	.075	.062	.052	.083	.022	.012	.086	.031	.024	.048	.033
.118	.024	.096	.092	.095	.085	.092	.088										

ASSIGNMENT BIAS

2	7	18	19
.051	.046	.056	.072
.079	.072	.078	.110

PERCENT REDUCTION IN BASE MODEL S.D.

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
	0	1	2	1	5	13	183	570	695	387	151	5	0	0	0	0	0	0	0	0	0

AVERAGE BASE S.D./ASSIGNED S.D. =122.2

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
	0	0	0	0	0	0	0	0	0	5	149	341	498	454	299	153	54	20	9	1	10

TROOP ISSUE AND BRAND NAME

PROC CYCLE 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
21 22 23 24 25 26

2* 291 998 326 299 283 208 942 44 40 30 41 3 0 76 32 12 132 2 54 7
61 21 0 15 0 17
7* 303 857 293 296 339 436 894 371 345 302 106 54 11 149 165 127 354 37 0 102
21 12 1 12 1 11
18* 2 6 1 0 4 2 38 9 20 24 7 8 3 8 21 20 21 44 0 35
10 2 1 2 1 1
19* 3 57 3 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 57 0
9 0 0 1 0 1

PREFER 599 0 623 597 628 646 0 424 405 356 154 65 14 233 218 159 507 0 0 144
101 35 2 30 2 30

ACCEPT 0 1918 0 0 0 0 0 1874 0 0 0 0 0 0 0 0 0 83 111 0
0 0 0 0 0 0 0

ASSIGN 0 998 0 0 0 0 0 894 0 0 0 0 0 0 0 0 0 44 57 0
0 0 0 0 0 0 0

AVERAGE STD DEV INDEX (BASE MODEL 20): 86.8 1993 SERIES ACCEPTED

REDUCTION IN BASE RMSE

MODEL 100 90 80 70 60 50 40 30 20 10 0 -10 -20 -30 -40 -50 -60 -70 -80 -90 -100

1: 0
2: 0
3: 0
4: 0
5: 0
6: 0
7: 0
8: 0
9: 0
10: 0
11: 0
12: 0
13: 0
14: 0
15: 0
16: 0
17: 0
18: 0
19: 0
20: 0
21: 0
22: 0
23: 0
24: 0

INDIVIDUAL MODEL V.S. BASE MODEL

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	21	22	23	24	25	26														
97.4	88.7	91.4	94.5	93.7	89.0	88.8	89.4	90.4	91.4	93.6	102.6	115.7	91.2	95.2	99.0	89.0	111.4	115.8	100.0	
104.3	112.1	242.9	112.3	243.0	111.4															
26.5	10.7	15.4	20.8	21.3	10.5	7.9	6.5	5.5	4.7	10.2	6.5	7.3	8.9	5.9	4.8	7.5	4.9	23.6	.0	
19.0	24.9	82.1	20.7	82.1	21.0															
.10	1.05	.56	.26	.30	1.04	1.42	1.63	1.76	1.84	.63	-.39	-2.16	.99	.81	.20	1.48	-2.34	-.67	.00	
-.22	-.49	-1.74	-.60	-1.74	-.54															

REDUCTION IN BASE RMSE FOR ASSIGNED MODELS

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
2:	0	0	0	0	0	0	1	17	311	546	115	8	0	0	0	0	0	0	0	0	0
7:	0	0	0	0	0	0	0	1	22	356	412	95	8	0	0	0	0	0	0	0	0
18:	0	0	0	0	0	0	0	0	0	0	9	33	2	0	0	0	0	0	0	0	0
19:	0	0	0	2	1	6	8	10	24	6	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	2	1	6	9	28	357	908	536	136	10	0	0	0	0	0	0	0	0

[illegible]

MODEL BIAS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26										
.190	.050	.099	.141	.141	.072	.048	.036	.029	.025	.037	.010	.006	.037	.015	.013	.029	.009
.052	.013	.050	.053	.844	.053	.844	.051										
.210	.084	.138	.172	.173	.109	.082	.087	.056	.049	.071	.020	.012	.071	.031	.027	.051	.020
.080	.028	.078	.082	.103	.079	.103	.080										

ASSIGNMENT BIAS

2	7	18	19
.045	.048	.048	.041
.074	.078	.057	.062

PERCENT REDUCTION IN BASE MODEL S.D.

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100	
	0	0	0	2	1	6	9	28	357	908	536	136	10	0	0	0	0	0	0	0	0	0

AVERAGE BASE S.D./ASSIGNED S.D. =116.8

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
	0	0	0	0	0	0	0	0	0	8	136	456	707	457	162	41	6	2	4	3	11

ANALYSIS INPUT DATA

*TRACKING BASED ON MAD SMOOTHED WITH CONSTANT ALPHA OF .2
 *SEMI-PERISHABLE SUBSISTENCE
 *SECONDARY MODEL GROUP

FORECAST FILE: 8

MODEL TITLES FILE: 11

SELECT: ALL

POST-FORECAST THEIL ADJUSTMENT: NONE

RANDOM RESIDUAL CHECK: NO

BASE MODEL (20): DLA

CHI-SQUARE LIMITATION: NONE

MODELS ON FILE:	1: GLOBAL MEAN	2: 12-MO AVG	3: 24-MO AVG	4: 36-MO AVG	5: SES(.05)
	6: SES(.10)	7: SES(.15)	8: SES(.20)	9: SES(.25)	10: SES(.30)
	11: DES(.10)	12: DES(.20)	13: DES(.30)	14: ARRS(.10)	15: ARRS(.20)
	16: ARRS(.30)	17: COMBINED	18: LAST LT/PC	19: LAST YEAR	20: DLA
	21: AR1 LAG	22: NAR1 LAG	23: LAR1 LAG	24: LNAR1 LAG	25: SAR1 LAG
	26: SNAR1 LAG				

ANALYZED MODELS: 2: 12-MO AVG 17: COMBINED 18: LAST LT/PC 19: LAST YEAR

TROOP ISSUE AND BRAND NAME

LEADTIME 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

2* 153 645 216 164 191 209 161 96 58 36 31 0 0 105 7 0 499 36 110 67
 84 69 40 64 92 78
 17* 329 745 377 365 368 415 185 152 121 100 88 2 1 179 32 17 1028 278 5 124
 115 124 64 87 116 119
 18* 17 15 11 13 22 21 28 40 44 39 9 1 0 19 13 14 96 111 0 29
 5 9 4 10 6 11
 19* 20 143 28 18 14 5 0 0 0 0 0 0 0 0 0 0 4 1 148 0
 17 13 14 8 20 12

PREFER 519 0 632 560 595 650 374 288 223 175 128 3 1 303 52 31 0 0 0 220
 221 215 122 169 234 220

ACCEPT 0 1548 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1627 426 263 0
 0

ASSIGN 0 645 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1028 111 148 0
 0

AVERAGE STD DEV INDEX (BASE MODEL 20): 88.4

1932 SERIES ACCEPTED

REDUCTION IN BASE RMSE

MODEL 100 90 80 70 60 50 40 30 20 10 0 -10 -20 -30 -40 -50 -60 -70 -80 -90 -100

1: 0
 2: 0
 3: 0
 4: 0
 5: 0
 6: 0
 7: 0
 8: 0
 9: 0
 10: 0
 11: 0
 12: 0
 13: 0
 14: 0
 15: 0
 16: 0
 17: 0
 18: 0
 19: 0
 20: 0
 21: 0
 22: 0
 23: 0
 24: 0

25:	0	0	0	1	7	13	25	73	181	303	420	353	244	134	71	33	27	14	9	24
26:	0	0	0	2	2	13	19	64	160	382	482	382	161	98	53	34	14	12	12	42

INDIVIDUAL MODEL V.S. BASE MODEL

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	21	22	23	24	25	26														
	131.3	94.8	100.2	114.1	121.1	97.0	94.4	95.8	98.4	101.3	102.6	125.8	155.2	97.1	109.8	121.0	91.8	107.3	116.7	100.0
	113.0	113.2	131.5	114.8	111.5	111.3														
	71.4	14.2	27.9	47.7	63.3	20.2	10.9	7.3	6.1	6.5	9.8	13.1	27.3	7.9	8.6	14.1	9.6	10.0	29.2	.0
	30.3	37.9	57.6	36.1	27.5	32.9														
	-.44	.37	-.01	-.30	-.33	.15	.51	.57	.27	-.20	-.26	-1.96	-2.02	.37	-1.15	-1.49	.86	-.73	-.57	.00
	-.43	-.35	-.55	-.41	-.42	-.34														

REDUCTION IN BASE RMSE FOR ASSIGNED MODELS

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
2:	0	0	0	0	0	1	14	82	273	206	60	9	0	0	0	0	0	0	0	0	0
17:	0	0	0	0	0	2	15	105	327	450	119	10	0	0	0	0	0	0	0	0	0
18:	0	0	0	0	0	0	0	1	28	52	25	5	0	0	0	0	0	0	0	0	0
19:	0	0	1	4	7	26	44	42	22	2	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	4	7	29	73	230	649	711	204	24	0	0	0	0	0	0	0	0	0

[illegible]

MODEL BIAS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26										
.461	.100	.197	.306	.333	.164	.103	.074	.058	.047	.077	.013	.006	.065	.027	.021	.056	.043
.113	.033	.124	.111	.139	.095	.115	.104										
.318	.119	.192	.244	.264	.166	.119	.092	.074	.061	.110	.024	.012	.094	.040	.029	.079	.063
.132	.055	.138	.135	.149	.122	.134	.130										

ASSIGNMENT BIAS

2	17	18	19
.086	.054	.094	.105
.107	.078	.104	.121

PERCENT REDUCTION IN BASE MODEL S.D.

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
	0	0	0	1	4	7	29	73	230	649	711	204	24	0	0	0	0	0	0	0	0

AVERAGE BASE S.D./ASSIGNED S.D. =115.4

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
	0	0	0	0	0	0	0	0	0	18	202	649	542	254	131	56	30	14	11	7	18

TROOP ISSUE AND BRAND NAME

PROC CYCLE 1 2 3 4 5 6 7 8 9 10 11 12 14 15 16 17 18 19 20 21
22 23 24 25 26

2* 194 698 260 205 202 218 154 98 59 39 17 1 112 26 12 669 1 28 61 36
37 0 40 40
17* 353 954 375 367 399 423 197 168 157 129 78 2 235 104 68 1087 115 18 194 92
63 6 57 5 61
18* 9 4 4 7 9 5 6 13 19 21 8 2 11 17 16 48 54 2 9 8
2 0 1 0 2
19* 8 61 12 6 11 5 3 4 3 2 2 0 5 2 0 30 2 93 2 17
10 0 11 0 11

PREFER 564 0 651 585 621 651 360 283 238 191 105 5 363 149 96 0 0 0 266 153
112 6 109 5 114

ACCEPT 0 1717 0 0 0 0 0 0 0 0 0 0 0 0 0 1834 172 141 0 0

ASSIGN 0 698 0 0 0 0 0 0 0 0 0 0 0 0 0 1087 54 93 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

AVERAGE STD DEV INDEX (BASE MODEL 20): 92.2

REDUCTION IN BASE RMSE

1932 SERIES ACCEPTED

MODEL 100 90 80 70 60 50 40 30 20 10 0 -10 -20 -30 -40 -50 -60 -70 -80 -90 -100

1: 0
2: 0
3: 0
4: 0
5: 0
6: 0
7: 0
8: 0
9: 0
10: 0
11: 0
12: 0
13: 0
14: 0
15: 0
16: 0
17: 0
18: 0
19: 0
20: 0
21: 0
22: 0
23: 0
24: 0

INDIVIDUAL MODEL V.S. BASE MODEL

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26															
118.5	97.0	99.5	107.6	111.8	97.4	96.3	97.4	99.2	101.3	106.7	134.2	175.4	97.9	105.8	112.6	94.2	119.5	121.3	100.0	
113.2	116.6	237.0	117.6	237.4	114.9															
47.2	9.9	19.0	31.2	40.8	13.8	8.1	5.6	4.6	5.0	9.5	21.0	45.9	5.9	7.4	12.1	7.6	14.2	22.8	.0	
28.7	32.7	103.3	31.6	103.1	25.3															
-.39	.31	.02	-.24	-.29	.19	.46	.46	.16	-.27	-.70	-1.62	-1.64	.36	-.79	-1.05	.76	-1.37	-.93	.00	
-.46	-.51	-1.33	-.56	-1.33	-.59															

REDUCTION IN BASE RMSE FOR ASSIGNED MODELS

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
2:	0	0	0	0	0	1	6	42	195	382	70	2	0	0	0	0	0	0	0	0	0
17:	0	0	0	0	0	0	10	66	253	542	214	2	0	0	0	0	0	0	0	0	0
18:	0	0	1	0	0	0	2	8	33	10	0	0	0	0	0	0	0	0	0	0	0
19:	0	0	0	0	3	3	6	24	27	28	2	0	0	0	0	0	0	0	0	0	0
	0	0	1	0	3	4	22	134	482	986	295	5	0	0	0	0	0	0	0	0	0

25:	0	0	0	0	0	0	0	0	4	5	31	58	60	103	114	120	147	130	1152
26:	0	0	0	0	0	0	0	0	4	5	499	239	126	53	28	26	8	8	30

ASSIGNMENT CONTRIBUTION

[illegible]

MODEL BIAS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26										
.368	.095	.183	.245	.271	.140	.098	.078	.066	.058	.084	.020	.010	.067	.040	.033	.064	.033
.070	.046	.098	.101	.826	.091	.827	.094										
.280	.126	.175	.215	.231	.155	.126	.109	.096	.087	.111	.035	.019	.105	.068	.056	.097	.063
.095	.081	.112	.119	.117	.118	.117	.115										

ASSIGNMENT BIAS

2	17	18	19
.068	.067	.101	.087
.098	.103	.127	.109

PERCENT REDUCTION IN BASE MODEL S.D.

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
	0	0	0	1	0	3	4	22	134	482	986	295	5	0	0	0	0	0	0	0	0

AVERAGE BASE S.D./ASSIGNED S.D. = 109.6

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
	0	0	0	0	0	0	0	0	0	1	265	938	476	156	61	13	11	5	1	1	4

Appendix F

Model Assignment Analysis for the
Final Model Group - Semiperishable Subsistence

Appendix F

Model Assignment Analysis for the Final Model Group - Semiperishable Subsistence

ANALYSIS INPUT DATA

* TRACKING BASED ON MAD SMOOTHED WITH CONSTANT ALPHA OF .2
 * SEMIPERISHABLE SUBSISTENCE
 * FINAL MODEL GROUP

FORECAST FILE: 8
 MODEL TITLES FILE: 11
 SELECT: ALL
 POST-FORECAST THEIL ADJUSTMENT: NONE
 RANDOM RESIDUAL CHECK: NO
 BASE MODEL (20): DLA
 CHI-SQUARE LIMITATION: NONE

MODELS ON FILE: 1: GLOBAL MEAN 2: 12-MO AVG 3: 24-MO AVG 4: 36-MO AVG 5: SES(.05)
 6: SES(.10) 7: SES(.15) 8: SES(.20) 9: SES(.25) 10: SES(.30)
 11: DES(.10) 12: DES(.20) 13: DES(.30) 14: ARRS(.10) 15: ARRS(.20)
 16: ARRS(.30) 17: COMBINED 18: LAST LT/PC 19: LAST YEAR 20: DLA
 21: AR1 LAG 22: NAR1 LAG 23: LAR1 LAG 24: LNAR1 LAG 25: SAR1 LAG
 26: SNAR1 LAG

ANALYZED MODELS: 2: 12-MO AVG 17: COMBINED 18: LAST LT/PC 19: LAST YEAR 21: AR1 LAG

TROOP ISSUE AND BRAND NAME

LEADTIME 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

2- 148 561 201 157 180 199 147 83 45 28 16 0 0 81 6 0 404 33 83 49
 41 21 5 27 16 27
 17- 326 616 371 361 363 409 167 123 92 73 47 2 1 120 25 17 913 208 5 90
 84 50 7 32 15 47
 18- 17 15 10 13 21 20 27 36 40 35 8 1 0 16 12 13 91 106 0 26
 0 5 1 7 1 7
 19- 19 83 25 17 14 4 0 0 0 0 0 0 0 0 0 4 1 131 0
 43 3 7 3 5 4
 21- 9 84 14 10 11 7 7 8 7 6 18 0 0 32 1 0 115 5 17 16
 221 60 32 37 102 58

PREFER 519 0 621 558 589 639 348 250 184 142 89 3 1 249 44 30 0 0 0 181
 0 139 52 106 139 143

ACCEPT 0 1359 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1527 353 236 0
 389 0 0 0 0 0 0

ASSIGN 0 561 0 0 0 0 0 0 0 0 0 0 0 0 0 0 913 106 131 0
 221 0 0 0 0 0 0

AVERAGE STD DEV INDEX (BASE MODEL 20): 87.6 1932 SERIES ACCEPTED

REDUCTION IN BASE RMSE

MODEL 100 90 80 70 60 50 40 30 20 10 0 -10 -20 -30 -40 -50 -60 -70 -80 -90 -100

1: 0 0 0 0 0 2 10 38 113 239 254 196 175 121 93 85 64 54 61 56 46 325
 2: 0 0 0 0 0 0 0 5 50 185 499 578 365 160 62 18 7 1 0 0 1
 3: 0 0 0 0 0 0 3 38 119 272 372 338 236 159 148 81 61 38 20 14 15 17
 4: 0 0 0 0 0 3 7 32 123 251 305 239 194 145 114 90 90 62 68 39 34 136
 5: 0 0 0 0 0 6 25 120 250 362 233 169 120 89 72 82 51 50 38 40 225
 6: 0 0 0 0 0 3 42 234 581 429 261 152 95 54 39 19 11 5 1 6
 7: 0 0 0 0 0 0 2 82 621 781 282 111 35 10 5 1 1 0 1 0 0
 8: 0 0 0 0 0 0 0 13 349 1138 355 65 9 2 0 0 1 0 0 0 0
 9: 0 0 0 0 0 0 0 1 2 134 1046 682 64 2 0 1 0 0 0 0 0
 10: 0 0 0 0 0 0 0 1 1 71 743 966 138 11 0 1 0 0 0 0 0
 11: 0 0 0 0 0 0 0 0 3 39 760 895 170 32 13 7 2 6 1 2 2
 12: 0 0 0 0 0 0 0 0 1 15 115 563 665 324 148 63 21 12 4 1
 13: 0 0 0 0 0 0 0 0 0 1 15 57 165 325 400 331 209 124 96 202
 14: 0 0 0 0 0 0 0 0 32 259 1052 497 72 11 6 1 1 0 0 0
 15: 0 0 0 0 0 0 0 0 0 12 197 808 706 179 24 5 1 0 0 0
 16: 0 0 0 0 0 0 0 0 1 15 87 296 569 523 280 102 35 13 6 4 1
 17: 0 0 0 0 0 0 2 25 176 587 799 281 57 5 0 0 0 0 0 0
 18: 0 0 0 0 0 0 0 4 81 365 714 585 159 19 4 0 0 1 0 0
 19: 0 0 0 0 1 4 7 26 50 88 133 222 292 268 283 203 131 80 56 39 26 23
 20: 0 0 0 0 0 0 0 0 0 0 0 1932 0 0 0 0 0 0 0 0 0
 21: 0 0 0 0 1 9 7 28 83 154 308 393 359 237 145 89 48 21 8 11 31
 22: 0 0 0 0 2 1 14 19 60 156 370 498 330 174 110 52 45 24 14 12 51

23:	0	0	0	0	1	3	4	16	39	103	172	258	346	288	223	118	74	68	42	34	143
24:	0	0	0	0	0	1	4	22	46	124	309	483	435	205	103	63	40	23	14	11	49
25:	0	0	0	0	1	7	13	25	73	181	303	420	353	244	134	71	33	27	14	9	24
26:	0	0	0	0	2	2	13	19	64	160	382	482	382	161	98	53	34	14	12	12	42

INDIVIDUAL MODEL V.S. BASE MODEL

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	21	22	23	24	25	26														
	131.3	94.8	100.2	114.1	121.1	97.0	94.4	95.8	98.4	101.3	102.6	125.8	155.2	97.1	109.8	121.0	91.8	107.3	116.7	100.0
	113.0	113.2	131.5	114.8	111.5	111.3														
	71.4	14.2	27.9	47.7	63.3	20.2	10.9	7.3	6.1	6.5	9.8	13.1	27.3	7.9	8.6	14.1	9.6	10.0	29.2	.0
	30.3	37.9	57.6	36.1	27.5	32.9														
	-.44	.37	-.01	-.30	-.33	.15	.51	.57	.27	-.20	-.26	-1.96	-2.02	.37	-1.15	-1.49	.86	-.73	-.57	.00
	-.43	-.35	-.55	-.41	-.42	-.34														

REDUCTION IN BASE RMSE FOR ASSIGNED MODELS

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
2:																					
17:	0	0	0	0	0	0	1	13	75	245	177	43	7	0	0	0	0	0	0	0	561 11.9
18:	0	0	0	0	0	0	2	15	105	315	383	88	5	0	0	0	0	0	0	0	913 10.3
19:	0	0	0	0	0	0	0	0	1	28	50	23	4	0	0	0	0	0	0	0	106 5.2
21:	0	0	0	1	4	7	25	39	35	20	0	0	0	0	0	0	0	0	0	0	131 33.5
	0	0	0	0	0	1	1	15	43	63	82	13	3	0	0	0	0	0	0	0	221 13.6
	0	0	0	1	4	8	29	82	259	670	893	167	19	0	0	0	0	0	0	0	0

[illegible]

MODEL BIAS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26										
.461	.100	.197	.306	.333	.164	.103	.074	.058	.047	.077	.013	.006	.065	.027	.021	.056	.043
.113	.033	.124	.111	.139	.095	.115	.104										
.318	.119	.192	.244	.264	.166	.119	.092	.074	.061	.110	.024	.012	.094	.040	.029	.079	.063
.132	.055	.138	.135	.149	.122	.134	.130										

ASSIGNMENT BIAS

2	17	18	19	21
.079	.055	.092	.087	.069
.102	.080	.104	.102	.079

PERCENT REDUCTION IN BASE MODEL S.D.

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100	
	0	0	0	1	4	8	29	82	259	670	693	167	19	0	0	0	0	0	0	0	0	0

AVERAGE BASE S.D./ASSIGNED S.D. = 116.5

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
	0	0	0	0	0	0	0	0	0	15	165	626	561	265	148	68	30	17	10	8	19

TROOP ISSUE AND BRAND NAME

PROC CYCLE 1 2 3 4 5 6 7 8 9 10 11 12 14 15 16 17 18 19 20 21

2* 191 662 257 200 197 213 149 94 55 36 15 1 97 24 10 601 1 23 57 37
 33 0 35 0 37
 17* 351 786 365 362 392 411 182 147 134 111 53 2 184 85 59 995 79 12 163 118
 28 6 29 5 32
 18* 9 2 4 7 9 5 5 10 16 18 5 2 7 13 13 38 46 2 6 4
 0 0 0 0 0
 19* 8 32 10 6 9 5 2 3 2 1 0 0 3 1 0 14 2 76 1 28
 4 0 6 0 5
 21* 3 36 9 5 7 7 8 6 6 6 6 0 18 7 7 92 8 17 11 153
 17 0 17 0 19

PREFER 562 0 645 580 614 641 346 260 213 172 79 5 309 130 89 0 0 0 238 0
 82 6 87 5 93

ACCEPT 0 1518 0 0 0 0 0 0 0 0 0 0 0 0 0 1740 136 130 0 340
 0 0 0 0 0 0

ASSIGN 0 662 0 0 0 0 0 0 0 0 0 0 0 0 0 995 46 76 0 153
 0 0 0 0 0 0

AVERAGE STD DEV INDEX (BASE MODEL 20): 91.7 1932 SERIES ACCEPTED

REDUCTION IN BASE RMSE

MODEL 100 90 80 70 60 50 40 30 20 10 0 -10 -20 -30 -40 -50 -60 -70 -80 -90 -100

1: 0 0 0 0 0 4 6 14 48 166 288 336 234 159 134 105 93 72 52 30 37 154
 2: 0 0 0 0 0 0 0 1 7 66 347 830 528 116 29 5 0 2 0 0 1 0
 3: 0 0 0 0 0 0 0 9 44 155 373 526 399 207 102 57 22 18 10 5 2 3
 4: 0 0 0 0 0 0 1 20 48 163 304 420 293 210 154 94 59 48 31 23 20 44
 5: 0 0 0 0 0 0 4 13 38 150 363 413 242 190 139 77 71 36 42 30 27 97
 6: 0 0 0 0 0 0 0 16 103 436 707 397 154 63 36 10 4 2 2 1 1
 7: 0 0 0 0 0 0 0 25 350 1030 432 80 8 5 0 1 1 0 0 0 0
 8: 0 0 0 0 0 0 0 5 150 1209 532 30 4 1 1 0 0 0 0 0 0
 9: 0 0 0 0 0 0 0 1 61 1017 824 27 1 1 0 0 0 0 0 0
 10: 0 0 0 0 0 0 0 1 23 685 1134 82 7 0 0 0 0 0 0 0
 11: 0 0 0 0 0 0 0 1 11 310 1143 337 82 27 11 1 3 3 0 3
 12: 0 0 0 0 0 0 0 0 0 0 0 6 29 126 306 341 188 88 119 98 631
 13: 0 0 0 0 0 0 0 0 0 0 0 11 56 495 481 250 216 185 110 58 20 40
 14: 0 0 0 0 0 0 0 0 0 0 0 0 6 29 126 306 341 188 88 119 98 631
 15: 0 0 0 0 0 0 0 0 0 0 0 11 157 1057 668 31 7 1 0 0 0 0
 16: 0 0 0 0 0 0 0 0 0 0 0 18 327 1134 384 56 5 6 2 0 0 0
 17: 0 0 0 0 0 0 0 0 0 0 0 2 20 182 666 620 286 109 27 11 2 8 4 2 0
 18: 0 0 0 0 0 0 0 0 0 0 0 11 83 409 990 424 14 1 0 0 0 0
 19: 0 0 0 0 0 0 0 0 0 0 0 2 10 112 329 544 559 279 66 16 6 4 0 4
 20: 0 0 0 0 0 0 0 0 0 0 0 3 6 29 54 160 332 435 337 251 146 78 44 20 18 16
 21: 0 0 0 0 0 0 0 0 0 0 0 0 0 1932 0 0 0 0 0 0 0 0 0 0
 22: 0 0 0 0 0 0 0 0 0 0 0 22 93 293 575 481 231 101 43 20 17 8 27 35

23:	0	0	0	0	0	0	0	0	4	5	32	57	66	105	114	119	149	130	1143
24:	0	0	0	0	0	0	0	0	4	17	80	256	513	486	234	124	69	46	39
25:	0	0	0	0	0	0	0	0	4	5	31	58	60	103	114	120	147	130	1152
26:	0	0	0	0	0	0	0	0	5	25	82	255	548	499	239	126	53	28	8
																			30

INDIVIDUAL MODEL V.S. BASE MODEL

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26															
118.5	97.0	99.5	107.6	111.8	97.4	96.3	97.4	99.2	101.3	106.7	134.2	175.4	97.9	105.8	112.6	94.2	119.5	121.3	100.0	
113.2	116.6	237.0	117.6	237.4	114.9															
47.2	9.9	19.0	31.2	40.8	13.8	8.1	5.6	4.6	5.0	9.5	21.0	45.9	5.9	7.4	12.1	7.6	14.2	22.8	.0	
28.7	32.7	103.3	31.6	103.1	25.3															
-.39	.31	.02	-.24	-.29	.19	.46	.46	.16	-.27	-.70	-1.62	-1.64	.36	-.79	-1.05	.76	-1.37	-.93	.00	
-.46	-.51	-1.33	-.56	-1.33	-.99															

REDUCTION IN BASE RMSE FOR ASSIGNED MODELS

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
2:	0	0	0	0	0	0	1	6	40	191	357	65	2	0	0	0	0	0	0	0	0
17:	0	0	0	0	0	0	0	10	66	246	490	181	2	0	0	0	0	0	0	0	0
18:	0	0	1	0	0	0	0	2	7	29	7	0	0	0	0	0	0	0	0	0	0
19:	0	0	0	0	2	3	6	22	21	21	1	0	0	0	0	0	0	0	0	0	0
21:	0	0	0	0	1	0	5	13	57	66	11	0	0	0	0	0	0	0	0	0	0
	0	0	1	0	3	4	27	143	521	964	265	4	0	0	0	0	0	0	0	0	0

[illegible]

MODEL BIAS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26										
.368	.095	.163	.245	.271	.140	.098	.078	.066	.058	.084	.020	.010	.067	.040	.033	.064	.033
.070	.046	.098	.101	.826	.091	.827	.094										
.280	.126	.175	.215	.231	.155	.126	.109	.096	.087	.111	.035	.019	.105	.068	.056	.097	.063
.095	.081	.112	.119	.117	.118	.117	.115										

ASSIGNMENT BIAS

2	17	18	19	21
.065	.065	.106	.064	.058
.095	.102	.133	.088	.070

PERCENT REDUCTION IN BASE MODEL S.D.

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
	0	0	0	1	0	3	4	27	143	521	964	265	4	0	0	0	0	0	0	0	0

AVERAGE BASE S.D./ASSIGNED S.D. =110.2

MODEL	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
	0	0	0	0	0	0	0	0	0	1	237	915	506	170	63	15	14	5	1	1	4

Appendix G

References

Appendix G

References

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Appendix H

Glossary

Appendix H

Glossary

Alpha Factor	A weighting factor used in some smoothing techniques.
Brand Name Resale Items	Brand Name items that are procured to support commissaries.
Demand Frequency	That demand by number of requisitions received.
Demand History	History of past demand data by months for subsistence items. Used by forecasting models to predict future demand.
Demand Quantity	That demand by quantity of stock requested.
Destination	Minimum data indicating whether an item in storage is for CONUS (CON) or Overseas (O/S).
Direct Vendor Delivery	A method of supporting a customer's demand by shipping stock directly from the Vendor rather than from stock. This method is usually utilized with requisitions for carlot quantities.
Forecast History	History of past forecast data.
Forecast Model	A technique used to predict what demand will be for a future period.
Holiday Items	Those seasonal items experiencing increased demand during a particular period due to a holiday. Examples of these items are Thanksgiving turkeys and Valentine's Day and Halloween candies.
Item Code	A five position alpha/numeric code assigned by DPSC-TC to process all items in the Item Master File and for billing purposes.

Item Identification	Minimum data required to establish the essential characteristics of an item and to differentiate it from every other item of supply used by the Federal Government.
Location	Depot where stock is stored. Indicated by a three digit Alpha/Numeric.
MAD	Mean Absolute Deviation
MAPE	Mean Absolute Percentage Deviation
Method of Supply	The method by which requisitioned items are supplied such as from stock or Direct Vendor Delivery.
MSE	Mean Square Error between the forecast and actual demand.
Stock Number (SN)	A thirteen position number assigned to each different item of supply.
Non-Recurring Demand	That demand on a one time basis which is not repeated.
Procurement Cycle	The time period between successive procurements.
Procurement Leadtime (PLT)	The period between the time an item reaches its reorder point and the time it is received by a CONUS or Overseas depot.
Recurring Demand	That demand which repeats itself periodically as when a customer reorders to replenish stock.
RMSE	Root Mean Square Error
RMSPE	Root Mean Square Percentage Error
s	Safety stock in inventory theory.

Seasonal Item

An item whose demand fluctuates according to a recurring time period. The seasonal period could be a month, the four seasons of the year, the days of the week, or the days of the month.

Smoothed Mean Absolute Deviation (MAD)

A smoothed moving average of the absolute value of forecast errors. In other words, a moving average of how much the forecast deviated from actual demand.

Standard Deviation

A single value which indicates the dispersion of data around the mean.

t

A given time period, usually a month in this study.

Troop Issue Items

Those items authorized for troop feeding and commissary resale.

Type Pack (TP)

A one digit numeric to identify the type of packing required for shipping, e.g., special pack required for Navy ships.

Unit of Issue (UI)

A two position alpha code catalog abbreviation of the unit of issue of an item.

Unit Pack Quantity (UPQ)

A five digit numeric indicating the number of items per unit of issue in a container.

Appendix I

Subsistence Variable Safety Level Computations

Appendix I

Subsistence Variable Safety Level Computations

A safety level quantity of 15 days or 1/2 the monthly demand forecast is computed for perishable items.

For semiperishable items, a safety level quantity may be set at 0, .5, 1.0, or 1.5 times the monthly demand forecast. Also, the safety level quantity may be computed as a depot service level function by item/warehouse. A derivation of the variable safety level is as follows:

a. Quarterly or More Frequent Buys.

(1) Compute:

$$\text{Service Function} = \frac{\text{Forecast} \times \text{Procurement Cycle}}{\text{MAD} \times \text{STMOS} - \text{PROC CYCLE} \times (1 - \text{Depot Service Level Supply Availability})}$$

(2) Select factor from table (factor is decreasing function of Service function (Figure 6)).

$$(3) \text{VSL} = \text{Factor} \times \text{MAD} \times \text{Study Months} - \text{PC}$$

$$(4) \text{VSL}_{\text{MOS}} = \frac{\text{VSL}}{\text{Forecast}}$$

$$(5) \text{Normalize VSL so that } 0.5 \leq \text{VSL}_{\text{MOS}} \leq 1.5$$

b. Semiannual or Less Frequent Buys.

(1) Compute:

$$\text{Service Function} = \frac{\text{Forecast} \times \text{Procurement Cycle}}{\text{MAD} \times \text{STMOS} - \text{PROC CYCLE} \times (1 - \text{Depot Service Level})}$$

(2) Select factor from table (factor is decreasing function of Service function).

$$(3) \text{VSL} = \text{Factor} \times \text{MAD} \times \text{Study Months}$$

$$(4) \text{VSL}_{\text{MOS}} = \frac{\text{VSL}}{\text{Forecast}}$$

$$(5) \text{Normalize VSL so that } 0.5 \leq \text{VSL}_{\text{MOS}} \leq 1.5$$

Finally, VSL adjustments are made for special situations as follows:

(a) Due to Navy fleet requirements at Norfolk (NNS) and Oakland (NOS) semiperishable warehouses may hold extra stock for items on the Fleet Issue Load List (FILL). The safety level quantity is computed as the maximum of the chosen VSL or twice the FILL quantity at Oakland and the maximum of the chosen VSL or three times the FILL quantity at Norfolk.

(b) At San Diego (NDS), Pearl Harbor (NPS), and Charleston (NRS), the safety level quantity is computed as the maximum of the chosen VSL or the highest monthly demand of the last six months.

These VSL computations have been revised for incorporation into the new Defense Integrated Subsistence Management System (DISMS). The new methods are somewhat simpler than the existing methods. The new VSL computations are intended to be used in two ways, as follows:

(1) Normal NSN/Type Pack/Warehouse Computation at the System Level

(2) Special Application for Selected Critical Items at All Locations

Under (1), the VSL will be computed as follows:

$$VSL_1 = K_1 \times \sigma_1$$

$$\text{where: } K_1 = \frac{-1}{\sqrt{2}} \ln \left[\frac{2.82843 C_1 Q_1 (1-P_j^*) F_{Tj}}{F_1 SC_j Z_1 (1-e^{-\sqrt{2} Q_1 / \sigma_1})} \right]$$

and: 1 = stock number/type pack/location or stock keeping unit (SKU)

C_1 = standard price for SKU

Q_1 = procurement cycle quantity for SKU

F_1 = the number of annual requisitions for SKU including recurring and 100% of nonrecurring annual demands

σ_1 = standard deviation of leadtime demand

F_{Tj} = total annual requisition used for location j accumulated over NSN and type pack

SC_j = system constant for location j, $\sum \text{NSN/TYPACK } (\sigma_1 \times C_1)$

P_j^* = system-wide location percentage of supply availability

Z_1 = essentiality factor

When a certain level of service is required across all locations, the following computation is made:

$$VSL_1 = K_1 \times \sigma_1$$

$$\text{where: } K_1 = \frac{-1}{\sqrt{2}} \ln \left[\frac{2.8284 Q_1 (1-P_j^*)}{\sigma_1 (1-e^{-\sqrt{2} Q_1 / \sigma_1})} \right]$$

The standard deviation of leadtime demand will be generated for each stock keeping unit and is critical to the development of the levels calculation.

Appendix J

Cross Reference Listing of Model
Assignments for Perishable Subsistence

Appendix J

Cross Reference Listing of Model Assignments for Perishable Subsistence

.....FORECAST MODEL ASSIGNMENT FOR SUBSISTENCE ITEMS BY WAREHOUSE.....
SORTED BY STOCK NUMBER.....
PERISHABLE SUBSISTENCE.....

FINAL GROUP OF FIVE MODELS

MODEL #	NOMENCLATURE	% OF RECORDS ASSIGNED	% REDUCTION IN RMSE	% RECORDS WITH POSITIVE IMPROVEMENT
1	12-MO AVG	40.0%	22.0%	99.5%
2	SES(.15)	41.3%	13.9%	95.7%
3	LAST LT	8.4%	1.6%	54.8%
4	LAST YEAR	3.6%	32.8%	100.0%
5	ARI LAG	6.7%	13.9%	89.6%
GROUP		100.0%	16.8%	93.5%

MODEL #	NOMENCLATURE	% OF RECORDS ASSIGNED	% REDUCTION IN RMSE	% RECORDS WITH POSITIVE IMPROVEMENT
1	12-MO AVG	47.0%	17.4%	99.5%
2	SES(.15)	43.8%	8.5%	89.5%
3	LAST PC	1.7%	-3.1%	17.6%
4	LAST YEAR	2.4%	35.1%	100.0%
5	ARI LAG	5.1%	14.8%	87.1%
GROUP		100.0%	13.4%	93.1%

LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE										FA	FB	FC	LA	LB	PA					
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB							EA	ED	EE	EF	
89050004418541	PIGS FEET, FRONT, FROZEN																			5	1	
89050008257331	FISH PORTIONS FZ COD/HADD	2	1	2		2		1	1	1				2		1				2	3	2
89050011823221	PEPPERONI FROZEN																					
89050012633931	HAM CANNED CHLD PEAR SHAP	1	4	2	1	2	2	1	1	2	2	1	5	2	2	2	1	3	3			1
89050012634161	CHIX BRO/FRY/WHL FZ RTC 3	1	2	2	1	2	3		2	2	1		1	2	5	1	1					
89050012640621	PORK, BOSTON SHOULDER BUTT		1		2	2	2		2	1	1				1	2				2	2	3
89050012687241	PORK, TENDERLOIN, SPECIAL, F																			3	2	
89050012687431	PORK, SPARERIBS, FROZEN	2	2	1	1	4	2	1	1	2	2	2	2	1	1	1	1	2	5	5	2	2
89050012784721	COD FZ FILLETS SKNLS 3-24		1			2				2										2	1	1
89050012784741	HADDOCK FZ FILLETS SKIN		3			2														2	2	5
89050013358861	BEEF KNUCKLE SPECIAL (OVE	1	1	1	1	1	1	2	2	2	1	2	1	2	1	1	2	2	2	2	3	1
89050013358871	BEEF SHOULDER CLOD (POT R	1	1	1	1	2	2	1	1	2	1	3	1	2	1	2	1	2	2	2	2	1
89050013358881	BEEF ROUND R&S OFF BNLS I		2	1		3																
89050013358891	BEEF FOR SWISSING, BRAISI	2	2	1	1	1	1	2	2	1	1	1	2	3	1	2	2	1	1	1	3	1
89050013420151	TURKEY BNLS RAW FZ MOLOED																					
89050013420161	TURX FZ RTC WHL GR A TOM																			4	5	
89050013871591	CHIX FZ BRO/FRY C/U RTC W																			4	4	
89050013871611	CHIX FZ WHL RTC BRO/FRY G																			2	2	
89050013984811	VEAL STEAK FLAKED FORMED	1	1	1	4	2	2	1	1	5	1	1	4	1	1	1	1	1	1	2	1	1
89050014913551	PORK, HOCKS, SHOULDER, FZ CU																			1	3	
89050016404851	PERCH FZ FILLETS SKIN ON	2	3	1	2	1	1	2	2	2	1	1	4	2	2	1	2	2	2	2	3	
89050016404901	FLOUNDER FZ FILLET SKNLS	1	3	1	4	1	2		2					1	1	3	2	2		1	2	
89050016468741	SCALLOPS FZ SEA FED PP-S-		2			1																
89050017750171	BEEF FOR STEWING	1	2	1	1	3	1	1	2	2	1	2	5	2	2	2	3	1	1	1	3	1
89050020959231	CHITTERLINGS RAW FROZEN																			2	1	
89050025276691	HALIBUT FZ STEAKS 3 TO 24		2																			
89050025272741	TKY BNLS RAW FZ TYPE I OR	1	1	1	1	4	1	1	2	1	2	2	4	2	1	2	1	2				
89050027336221	4.1 RABBIT FZ CUT-UP GR A		2							2		2				2		2	2	2	1	
89050029913161	CORNEED BEEF FROZEN	1	1	1	1	1	1	2	2	1	1	2	1	1	2	2	2	2	2	2	2	2
89050029913301	SALAMI COOKED FROZEN	2	2	1	1	1	1	1	1	1	1					2	2	2	3	2	2	
89050040395921	BACON SLICED (BULK), FROZ	2	1	2	1	1	2	5	1	2	2	2	4		2	2	2	2	1	1	1	1
89050041046711	BEEF ROUND R&S OFF ITEM N		2	2	2	2			2	5	2	2			1	1	2	2	1	1	2	
89050041943201	BACON CANADIAN STYLE FZ U						1															
89050046518961	TKY BNLS RAW CLAUS F50																					
89050049172081	CHIX QTRD F Z BRO/FRY TYP		3	2	2	3	1	3	1	3				2	2		2	1		2	2	2
89050049284071	FISH STICKS FZ COD/HADDOCK					1																
89050049284081	FISH STICKS FZ OCEAN PERC		2		1		2		2	1	2				2	3						
89050049334561	FISH STICKS FZ FLOUNDER R																			2	2	
89050054373321	TKY WHL FZ RTC GR A TYPE		1																			
89050054373331	TURX WHL FZ RTC GR A TOMS	4	4		4	5	4			4	5				5							
89050055199101	BACON, SLAB, FZ, CURED, SMKED															2						
89050058213231	BEEF, TENDERLOIN(FULL), FZ		1	2															2	1		
89050058213401	CHW FZ QTR W/O NKS & GIB																					
89050058213451	PORK LOIN BLDELESS, 10-19		2	1		2	4	2	2	2	2	1	5		2	1	2	1	2	2	1	1
89050058240351	BOLOGNA, FROZEN, BEEF AND		2	1																		
89050058240391	SHRIMP FZ RAW PEELED DEVE		3			4	5						3			5				5	4	
89050058240491	BEEF RIB PRIMAL ITEM NO 1		2																	2		
89050058240511	CHIX WHL FZ BRO/FRY GR A																					
89050058432121	OYSTERS SHUCKED EAST/GULF		1	1		1	1	2	3	2				2								
89050061600501	FRANKFURTERS FROZEN	1	1	2	1	2	1	2	1	1	1	2	2	1	2	1	1	1	1	1	1	3
89050065584101	BEEF LIVER SLICED FROZEN	1	1	2	2	3	2	1	2	1	1	1	1	1	2	2	1			5	1	
89050068266431	HAM SECTIONED & FORMED, S																					

LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	AA	AB	AC	BA	RB	BC	WAREHOUSE								LA	LB	FA
								CA	CC	DA	DB	EA	ED	EE	EF	FA	FB	FC
89050068268161	PICKLE AND PIMENTO LOAF F	2		2	2	1	2	1	1	2	1	3	2	1	1	2	1	1
89050075364261	FRESH HAM, BONELESS (ROAST)	1	2	1	1	3	2	2	5	2	2	2		2	2			
89050075365031	PORK, DICED, FROZEN	1	2	1	1	2	1	2	2	1	1	1	2	2	2	1	2	1
89050075365681	PORK, LOIN, BONELESS, FRO	2	5	2	2	3	2	1	2	5				3	2		4	2
89050075365691	FISH PORTIONS, FZ FLOUNDER	5	2	1	1	5		2	2	2	1	2	1	2		2	1	4
89050078227531	FRANKFURTERS, FROZEN	1	2	2			2											
89050092615991	LAMB LEG BNLS ROAST FROZE	1	2	2			2											
89050092664851	PORK SAUSAGE ROLL FROZEN	2	1	1	1	1	1	4	5	1	1	3	1	1	1	1	1	2
89050093547651	FISH PORTIONS FZ OCEAN PE	2	1	1	1	1	1	1	1	5			2	2	1	5		5
89050096023031	SHRIMP FZ RAW BRD DEV STY	1	4	1	1	1	2	1	2	1	2	1	5	2	1	3	1	2
89050096521281	CHIX C/U F BRO/FRY W/O BN	3																
890500A0250101	FRANKS ALLMEAT OMAYER 1LB	1																
890500A0250191	FRANKS ALL BEEF OMAYER 1L	1																
890500A0250301	SAUS SMOKY LINK OMAYER 12OZ	1																
890500A0250761	PK SAUS ROLL P/R 36/1# FZ	1																
890500A0251051	BRAUNSHWEIGER OMAYER 8 OZ	1																
890500A0251331	BOLOGNA SLCD OMAYER 12 OZ	1																
890500A0251801	PKLE & PIMENTO OMAYER 8 OZ	1																
890500A0252011	BEEF BOLOGNA RD 24-3/4LB	1																
890500A0252271	PORK LOIN CONTRM7 1/2-10	2																
890500A0252351	SALAMI COTTO OMAYER 8 OZ	2																
890500A0252571	SALAMI HARD OMAYER 8 OZ	1																
890500A0252651	SALAMI 12-1/2 LB FZ OSCAR	1																
890500A0252801	LUNCH MEAT PORK MAYER 8OZ	1																
890500A0252901	HAM CHOPPED SLD PK 1/2LB	5																
890500A0253361	HAM COOKED SLC OMAYER 6OZ	3																
890500A0253421	BACON CANADIAN OMAYER 6OZ	1																
890500A0253471	HAM STEAKS OSCAR MAYER 8O	2																
890500A0253551	SLI BAC 12/1# SARNP BW #1	1																
890500A0255101	BACON SLCD OMAYER 1LB MEL	1																
890500A0255551	TNORSWEET MORSELS OMAYER	1																
890500A0256051	PORK CHOPS OMAYER 1 LB	2																
890500A0840471	HAM PATTIES CHILL 12 OZ H	2																
890500A0841131	HAM CND HORMEL 3 LB. EXL	1																
890500A1080961	HAM CND 3 LB SWIFT PREMIU	2																
890500A1081021	HAM PEAR SHPE PREM SLB CH	2																
890500A1081211	HAM CND 4 LB SWIFT HOSTES	2																
890500A4350221	CHIX 1/2BROILR TASTYBIRD	2																
890500A4352711	WH GRILLERS 2LB W/O GIBS	2																
890500A5770011	CHIX FRIED 32 OZ FZ BANQU	1																
890500A5771261	CHIX FRIED 6O OZ #11599 B	1																
890500J1850231	PK SAUS BROWN N SERVE 8OZ	2																
890500J5002051	BACON SLCD GWALTNEY 1 LB	2																
890500J5002271	BACON SLCD SWIFT PREM 1LB	2																
890500J5004801	PK SAUS WILLIAMSBURG. 1 LB	5																
890500J5004731	BACON THKSLC GWALTNEY 1LB	1																
890500J5004821	HAM SKMD FULLY CKD 10-14L	1																
890500J5006161	BOLOGNA SLCD GWALTNEY 1LB	1																
890500J5006641	BOLOGNA ALL MEAT THICK SL	1																
890500J5006861	BF CORNED OVENROAST SWIFT	1																
890500J9500791	BOLOGNA KOLBASSE 12 OZ FZ	1																

LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE												EA	ED	EE	EF	FA	FB	FC	LA	LB	PA
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB												
890500J9502071	BEEF LIVER TENDER SLCD 1L	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	3
890500J9502391	SAUSAGE PATTIES B&S 8 OZ	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2	2
890500J9509071	PK PICNIC SMOKHOUSE 4-6LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2	1
890500J9512041	PK SAUS HOT GWALTNEY 1 LB	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	1
890500J9514181	PK LOIN 8-12LB SMITHFIELD	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	5	2
890500J9515641	PK LOIN SMKD CKD 8-12LB S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
890500J9520681	FRANKFURTERS ALLMEAT 1LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	1	2
890500J9521051	BOLOGNA THKSLC SWIFT 1 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
890500J9521841	HAM UNCKD PEPRCOAT10-14LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	.
890500J9522671	FRANKS SKNLS 160Z SWIFT	.	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	1	5
890500J9533891	SMKD HAM DELI THIN SLI 30	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	2	2
890500J9533911	CORNED BEEF DEL THIN PREM	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	.	.
890500J9534481	OVN ROAST CORN BF GAR/SP	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	2
890500J9535311	SPARERIBS TLP SWIFT INDIV	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
890500J9536411	FRANKFURTERS ALL BF 160Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	2
890500J9537851	HAM HOCKS LAYER PK 8-10Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.
890500J9537861	HAM HOCKS SMKD LAYER PK D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	.
890500J9537881	SAUSAGE SMK OLD VA 1LB WI	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
890500J9538611	BACON SIZZLEAN SWIFT	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
890500J9539461	ROAST BNL'S CHUCK 3.0LB TE	.	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9539571	STEAK T-BONE .75LB FZ TEM	.	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9539611	STEAK FLANK .95LB FZ TEM	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9539641	ROAST RUMP BNL'S 3.5LB FZ	.	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9539651	BEEF STEW MEAT 1LB FZ TEM	.	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9539741	BEEF GROUND 1LB FZ TEMPLE	.	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9539811	PORK LOIN BLD'S SWIFT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.
890500J9539871	BEEF HAMBURGER PAT 4 OZ S	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2
890500J9540111	SAUS LINKS BROWN&SERVE BF	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	2
890500J9540121	HAM RED PEPPERED 4 OZ FZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	.	.
890500J9540131	PEPPERONI FLEX PK SCLO 3.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
890500J9540181	SAUSAGE LITTLE SIZZLERS H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	4	2
890500J9540201	FRANKS CORN DOGS 11 OZ FZ	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	1
890500J9540211	FRANKS TATER DOGS 10 OZ H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	5
890500J9540221	FRANKS BRND WRANGLERS 48/	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2
890500J9540231	FRANKS GREAT DOGS 48/1LB	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	3
890500J9540251	FAT BACK 1 1/4 LB BIO-VAC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	.
890500J9540281	PIGS FT SPLT NAILS TRM FR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500L0060861	CHIX LIVERS BX PK 1LB ROC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	.	1
890500L0710061	PK SAUSAGE LINKS 1LB DAIR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.
890500L0710281	SAUSAGE DNR LINK JONES DA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.
890500V0307851	PORK LOIN REG	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.
890500V0307861	PORK SPARERIBS 1 1/2-5LBS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	.
890500V0307871	PORK SPARERIBS BB 1-2LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	.
89050103475471	BEEF STRIP LOIN STEAK	2	5	.	.	.	.	.	.	2	.	.	2	.	2	.	.	.	.	.	.	.
89050103475481	BEEF RIBEYE ROLL STEAK	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	.	.	.	.	.	.
89050103475491	BEEF TOP SIRLOIN STEAK	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.	.	.	.
89050105031901	BEEF PATTIE MIX (BULK) FR	2	1	1	2	1	2	3	2	2	2	1	1	1	2	5	3	2	1	.	.	2	
89050105031921	BEEF PATTIES FROZEN, 3 OZ	1	4	1	2	1	2	3	2	2	1	1	4	2	2	2	1	1	5	.	.	2	
890501V0309181	LAMB NEW ZEALAND SHLDR FR	2	5	5	2	5	1	3	3	1	1	1	.	.	.	.	.	.	.	1	.	.
890501V0309191	LAMB NEW ZEALAND LOIN FZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.
890501V0309201	LAMB NEW ZEALAND FZ FULL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.
890501V0309211	LAMB NEW ZEALAND HOTEL RA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890501V0309561	RAINBOW TROUTS FRZ 12 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	.	.

LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB	FC	LA	IB	PA
890501V0309571	PORK TENDERLOIN FRZ HAVER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890501V0309581	PORK LOIN BONELESS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890501V0309591	PORK LOIN CHOPS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100004331981	EGGS SHELL MED OR LARGE C	2	2	1	1	2	.	.	.	.	.	.	.	.	.	.	.	.	3	.	.
89100004332001	EGGS SHELL LARGE CONS GR	4	2	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	3	.	.
89100008262051	CHEESE AMER PROC PAST 5 L	2	2	.	.	2	.	1	2	2	2	2	2	.	3	.	.	.	3	.	.
89100012584401	CHEESE CHEDR NAT FRS MED	2	5	3	1	2	2	2	2	2	2	2	2	.	2	1	5	2	1	.	2
89100012782521	EGGS WHOLE FZ BAKERY TYPE	.	.	.	.	1	.	1	.	.	.	.	1	.	.	.	.	.	.	.	1
89100014904931	CHEESE FOOD AMER PROC 3-5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
89100058213421	CHEESE PROVOLONE NAT SMKD	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
89100058464311	CHEESE SWISS AND AMERICAN	.	2	.	2	1	.	2	.	.	.	.	.	.	.	.	.	.	2	.	.
89100058464341	CHEESE SWISS NATURAL SAND	.	2	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100061600381	BUTTER SLT GRA 1LB PRNT O	1	2	.	.	2	.	1	.	.	.	.	1	.	3	.	.	.	.	4	.
89100061600511	EGGS WHOLE FZ TABLE TYPE	1	2	.	2	2	.	2	2	2	1	2	2	1	2	2	1	2	3	.	1
89100065609931	CHEESE AMER PROC SLICES I	1	1	1	1	1	2	1	2	2	1	2	1	2	1	1	.	1	2	1	2
89100078228371	CHEESE MOZZARELLA NAT TYP	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100078231911	CHEESE CHED. NAT DONATED R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100078231931	BUTTER SALTED DONATED 1LB	1	1	1	1	1	1	2	1	1	1	2	1	1	2	1	2	1	1	1	2
89100078231951	BUTTER SALTED 90 PAT PER	.	5	.	.	2	.	2	2	.	.	.	.	.	3	.	.	.	1	1	.
89100092699621	BUTTER SLT GRA AA OR A 90	1	.	.	2	1	1	3	.	2	.	.	.	2	.	.	.	.	.	.	1
89100093567091	BUTTER SALTED 90 RTS PAT	1	2	1	1	1	2	1	1	2	1	1	1	1	1	2	.	1	2	2	2
89100093567761	BUTTER SLT GRA A 90 PAT P	.	2	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.
891000A1320451	CHEESE AMER SLCD RIB CH 3	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	1	2
891000A1321361	CHEESE AMER SLCD INDIVWRP	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	2
891000A1321551	CHEESE GRATED PARMESAN 8	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	2
891000A1321721	CHEESE GRATED PARMESAN 3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	1	1
891000A1321841	CHEESE NAT CHUNK REG SWIS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	2	2
891000A1321951	CHEESE SPREAD VELVEETA 2L	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	2
891000A1322251	CHEESE PHILA PLAIN CREAM	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	1	1
891000A1322411	CHEESE PHILA PLAIN CREAM	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2	2
891000A1322431	CHEESE SPREAD 12S 1/2LB B	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	5	5
891000A1323151	CHEESE WHIP/CREAM CHIVE 4	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2	2
891000A1323201	CHEESE WHIP/UNION 4 OZ KR	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	2
891000A1324101	CHEESE STICKS MELLOW COL	.	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	5	5
891000A1324201	CHEESE STICK SHP 10 OZ CR	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	3	2
891000A1324301	CHEESE STICK X-SHARP COL	.	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	3	2
891000A1324701	CHEESE CHED COL HLF MOON	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.
891000A1325151	CHEESE MOZZ SHRED 40Z KRA	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1325201	CHEESE MOZZ RND 8 OZ KRAF	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1325301	CHEESE BLUE 4 OZ KRAFT	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1325401	CHEESE GOUDA BABY 8 OZ CH	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1325801	CHEESE SLCD SWISS REG 8 O	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2	2
891000A1326351	CHEESE PROVOLONE SLCD 8 O	.	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	1	2
891000A1326501	CHEESE MOZZARELLA SLCD 80	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	1	1
891000A1327751	CHEESE CHEDDAR 12 OZ CH K	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	2	2
891000A132851	SQUEEZE A SNAK BACON 6 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	.	.
891000A1328061	SQUEEZE A SNAK JALAPENO 6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	.
891000A1328751	CHEESE MONTEREY NAT 12 OZ	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2	2
891000A1329041	CHEESE SPREAD WHIZ 8 OZ C	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2	2
891000A4550101	CHEESE AMERICAN SLCD 12 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	2	2
891000A4551011	CHEESE AMER 2LB BX CHILL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2	2
891000A4552311	ICE CREAM VANILLA 1/2 GAL	.	1	3	3
891000A4552571	CHEESE SLCD AMERICAN 4LB	3	.	2

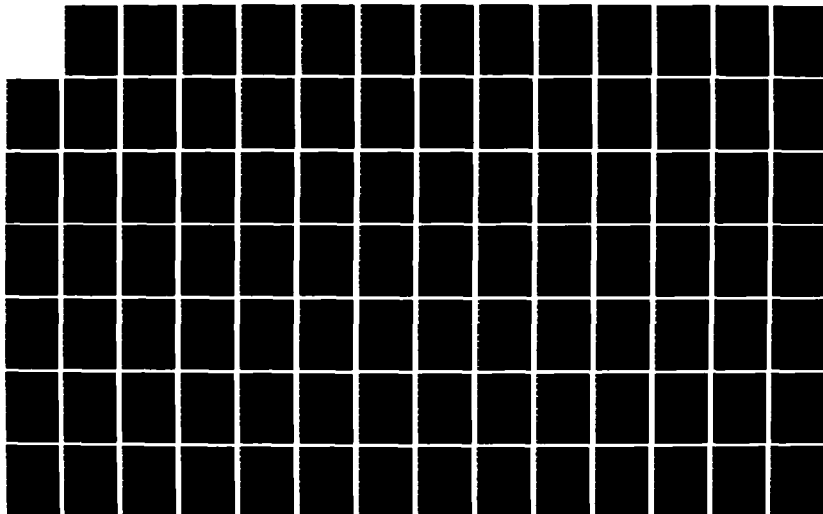
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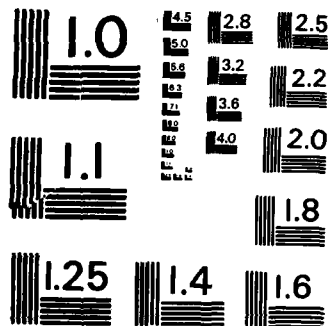
REPORT ON THE EVALUATION OF DEMAND FORECASTING
TECHNIQUES FOR THE SUBSISTENCE COMMODITY VOLUME 2(U)
DEFENSE LOGISTICS AGENCY ALEXANDRIA VA OPERATIONS
RESEARCH AN T J SHEEHAN ET AL OCT 85 F/G 15/5

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UNCLASSIFIED

NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB	FC	LA	IB	PA
891000A5550011	BUTTER SALT QTRS 36/1LB L	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	2
891000L0510201	CREAM STERILIZED STABIL W	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000S1112991	EGGS SHELL CTN LGE CONS G	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100107256531	BUTTER CCC SALTED, 4 PRIN	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	.	5
89150004419181	POTATOES WHITE FROZEN SHR	2	2	1	2	1	2	2	1	2	2	3	1	1	1	2	1	2	3	2	2
89150008051791	POTATOES WHT FZ SHOESTRN	.	1	.	.	2	.	.	2	.	.	.	.	.	.	.	.	.	.	.	2
89150008108561	PEPPERS SWEET FRZN GREEN	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	2
89150008108571	POTATOES WHITE FRZN DICED	2	.	.	2	.	.	.	.	2	.	.	2	1	.	.	.	.	.	.	.
89150012779841	BEANS LIMA FRZ 2 - 5 LB P	1	2	2	1	1	1	2	3	2	2	1	1	2	2	2	2	1	1	2	2
89150012779911	BRUSSELS SPROUTS FRZN 2 -	1	1	1	1	2	1	1	2	1	1	2	1	1	2	2	2	2	2	2	2
89150012779921	SPINACH FRZN CUT LEAF OR	1	1	1	1	1	1	2	2	1	1	2	1	1	1	1	1	2	1	1	2
89150012780181	CORN FRZN GOLDEN WHOLE GR	1	5	1	1	1	1	2	2	1	1	2	1	1	1	2	2	1	2	1	2
89150012780211	PEAS FRZN 2 - 5 LB PG U.S	2	2	1	1	1	1	1	2	1	1	2	1	1	2	2	2	2	2	2	1
89150012811761	BEANS GREEN FRZN ROUND CUT	2	2	1	1	1	1	2	2	1	1	2	1	2	2	2	1	2	1	2	1
89150012908251	BROCCOLI FRZN SPEARS 6 IN	4	1	1	1	2	1	1	1	1	1	2	1	2	1	1	1	1	2	1	2
89150014309111	BLUEBERRIES FZ W/D PACKIN	.	.	.	.	5	.	1	1	.	1	.	.	.	.	2	.	.	.	.	.
89150014309831	SUCCOTASH FRZN U.S. GRADE	1	2	1	1	1	1	2	4	2	2	2	2	2	2	2	1	2	3	1	1
89150014309971	PEAS AND CARROTS FRZN CON	2	2	1	1	2	2	2	1	2	1	2	5	2	2	1	2	2	2	2	1
89150016061561	CAULIFLOWER FRZN 2 - 5 LB	1	2	1	1	1	2	1	1	1	1	2	1	2	2	1	2	2	2	3	2
89150016250871	CARROTS FRZN SLICES SHALL	5	2	1	1	1	1	2	1	1	1	.	1	2	1	2	1	1	2	1	2
89150016298781	BEANS GREEN FRZN ROUND FR	2	2	1	1	1	1	2	.	.	.	.	.	.	1	1	1	.	2	.	.
89150019134611	ONION RINGS FRZN RAW BREA	2	2	2	1	2	2	1	1	1	1	3	2	2	3	3	2	2	2	2	1
89150025237851	OKRA FRZN CUT 2 - 5 LB PG	.	2	.	1	1	1	.	5	.	.	2	.	1	1	1	2	.	3	1	.
89150040460651	ASPARAGUS FRZ ALL GREEN C	1	2	.	1	2	1	1	2	2	2	2	.	2	2	1	2	2	1	3	1
89150041126761	JUICE LEMON FRZ CONCENTRA	.	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.
89150041126771	JUICE GRAPE FR CON TYPE 1	1	1	1	1	1	2	.	2	1	1	1	3	2	4	2	1	1	2	1	1
89150041126781	JUICE GRAPEFRUIT FZ CON S	1	1	1	1	2	1	4	.	2	2	.	.	.	.	1	2	1	5	4	4
89150043779431	JUICE ORANGE FZ CON UNSWE	1	1	1	2	3	1	4	2	1	1	3	.	2	2	1	2	1	2	1	1
89150058240531	STRAWBERRIES FRZ SLICED O	1	5	2	2	2	2	1	1	1	2	3	4	2	5	1	2	.	2	5	1
89150058416411	PEACHES FRZ HEAVY SYRUP O	.	1	.	3	.	1	.	1	2	2	.	2	2	2	5	.	.	.	.	.
89150061602291	SQUASH FRZN SUMMER SLICE	1	2	1	1	2	1	2	2	1	2	1	2	2	2	2	1	.	2	2	1
89150061648191	BEANS WAX FRZN ROUND CUT	1	3	.	1	2	2	2	.	2	1	.	.	.	.	2	2	.	.	.	2
89150078235081	POTATOES WHT FZ FR FRIED	2	2	2	2	1	2	2	2	1	2	3	2	2	1	3	1	1	2	3	3
89150092659361	GREENS MUSTARD FRZN CHOPP	1	2	1	4	1	1	.	4	1	2	1	2	2	5	1	2	2	2	1	2
89150092659371	GREENS TURNIP FRZN CHOPPE	1	2	1	4	1	1	.	4	1	2	1	2	2	2	1	1	2	2	3	2
89150093566201	VEGETABLES MIXED FRZN U.S	1	2	.	4	1	1	2	1	2	.	2	2	2	2	2	1	2	2	1	1
891500A0330031	JUICE ORANGE CONC 12 OZ D	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	1	1
891500A0454861	GREEN PEAS 16 OZ STOKELYS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
891500A1190581	OKRA WHOLE 16 OZ. FRZ. VI	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	3
891500A1190631	PEAS BLACKKEYE 16 OZ FRZ W	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2
891500A1190841	BEANS GREEN CUT 16 OZ FRZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
891500A1190861	BEANS GREEN FRENCH CUT 16	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
891500A1190901	BEANS BABY LIMA 16OZ WINT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2
891500A1190971	BEANS BUTTER SPECKLED 16Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	2
891500A1191121	VEGETABLES MIXED 16 OZ FR	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
891500A1191141	PEAS & CARROTS 16 OZ WINT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
891500A1191151	VEGETABLES STEW 20 OZ FRZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2
891500A1191311	CARROTS WHL BABY 16 OZ WI	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	1
891500A1191561	CORN CUT 16 OZ. FROZEN W	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
891500A1191571	COLLARD GREENS 16 OZ WINT	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	4
891500A1191591	GREENS TURNIP CHOPPED 16Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
891500A1191601	BROCCOLI, CUTS 16 OZ WINT	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
891500A1191611	CAULIFLOWER FLORETS 16 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	1

LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE																PA		
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB		FC	IA	IB
891500A1191661	BROCCOLI SPEARS 10 OZ FZ	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2
891500A1191691	BRUSSEL SPROUTS 10 OZ FZ	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1
891500A1191751	CORN ON THE COB 4 EARS W/	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1
891500A1191811	GREEN PEAS 16 OZ FRZ WINT	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	1
891500A1191871	BRUSSEL SPROUTS SM 16 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2
891500A1192331	SQUASH SLCD ZUCCHINI 16 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.
891500A1320341	JUICE ORANGE 32 OZ KRAFT	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A2030231	MELON BALLS MIXED 16 OZ F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	1
891500A2031561	SPINACH CHOPPED 10 OZ FRZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	2
891500A2032841	PEPPERS CHOPPED 10 OZ SEA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.
891500A2600051	JUICE ORANGE CONC 6 OZ M1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2
891500A2600101	JUICE ORANGE CONC 12 OZ M	.	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
891500A2600121	JUICE ORANGE CONC 16 OZ F	.	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
891500A2600251	JUICE GRAPEFRUIT 6 OZ FZ	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.
891500A2600501	LEMONADE CONC 48/6 OZ MIN	.	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.
891500A2600551	LEMONADE CONC 12 OZ FZ M1	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	5
891500A2600811	LIMEADE CONC 6 OZ FZ MINJ	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2
891500A4401171	CORN ON THE COB 4 EARS FZ	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	1
891500A4401601	POTATOES CRINKLE CUT 5LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	1
891500A4820021	APPLE JUICE FZ 12 OZ CN S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	3
891500A5252321	ONION RINGS 16 OZ FZ SEA	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	1
891500A5300201	JUICE GRAPE CONC 12 OZ FZ	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	5
891500J9537021	MUSTARD GREENS CHOPPED 16	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2
892000A0090131	TURNOVER APPLE 12 1/2 OZ	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	2
892000A0391201	PIE SHL PSTRY 9 IN 5 PER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	4
892000A0391321	WAFFLES HOMEMADE 12 OZ DO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	2
892000A0790041	CAKE CR CHEESE LG 17 OZ S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2
892000A0790401	ROLLS CARAMEL PECAN 10.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2
892000A0790421	CREAM PIES CHOC BAVARIAN	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1
892000A0790621	STRAWBERRY SHORTCAKE 21Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2
892000A0790641	BLACK FOREST CAKE 21 OZ S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	2
892000A0790721	CAKE POUND 10 3/4 OZ FZ S	.	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	3
892000A0790801	BROWNIES CHOC W/CHOC ICIN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1
892000A0793341	CAKE LAYER WALNUT 18 OZ F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	3
892000A2092971	CUPCAKE ORANGE FILLED 3 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	3
892000A2093011	CUPCAKE DEVILFOOD FILLED	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	.
892000A2093051	CAKE SNO-BALL DEVILFOOD 3	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	3
892000A2093911	BREAD HOME PRIDE WHEAT WO	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A2093921	BREAD WHITE RND TOP 22 OZ	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A2094431	ROLLS HAMBURGER WHITE FRZ	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A2094451	ROLLS HOT DOG WHITE 12/12	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A2094621	CHOC DILES 8 PKG 16 OZ HQ	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A2094651	BRD BFSTEAK RYE HEARTY WO	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A2095261	TWINKIE SWT/GOODS M/PAK H	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	2
892000A3142511	WHITE BREAD DOUGH 2/1LB L	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	3
892000A3160051	PIE APPLE 26 OZ FRZ MRS S	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	2
892000A3160601	PIE PECAN 24 OZ FRZ MRS S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	4
892000A3161151	PIE APPLE GOL DELUXE 46OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2
892000A3161201	PIE DUTCH APPLE CRUMB 46O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	2
892000A3161551	PIE CHERRY GOLDN DELX 46O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1
892000A5160451	WAFFLES FRZ JUMBO 15 OZ A	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	2
892000A5160461	PANCAKE BATTER FRZ 16 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	3
892000A5530281	ROLLS STEAK-UMM 6CT 13/6C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.

WAREHOUSE

J-10

LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB	FC	LA	LB	PA
894000A0091471	DNWRS STEAK SALISBURY 17	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	.	3
894000A0091651	BRFST PANCKS W/LINK SAUG	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	.	3
894000A0091741	FISH N CHIPS ENT 5 OZ 2CO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2
894000A0091901	DNR FR/CHIX 15 3/4Z H/MAN	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	3
894000A0091911	DNR TURX 18 3/4Z HUNGRYNA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	3
894000A0390691	DESERT TOPPING OLD FASH Q	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	2
894000A0720061	BURRITO RED CHILI 4-1LB C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
894000A0990281	PEAS MED SWT BTR SCE 10 D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	5
894000A0990481	BROCCOLI SPEARS/BTR SCE	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
894000A1130451	TORTILLAS FLOUR 22 OZ ROS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	4
894000A2760061	MACARONI & CHEESE 12 OZ S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
894000A2760921	CREAMED CHIPPED BEEF 110Z	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
894000A2761461	LASAGNA 21 OZ FRZ NO 1182	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	5
894000A3000901	PIZZA SMK ASSTD. SAUS/PEP	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A3000961	PIZZA FLAT CHEESE 11.78 D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2
894000A3001021	PIZZA FLAT SAUSAGE 12 OZ	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	1
894000A3001091	PIZZA FLAT PEPPERONI 11.7	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	1
894000A3002351	PIZZA DEL COMB SAUS/PEP 2	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	.	3
894000A3140061	WHIP TOPPING 10 OZ RICH'S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
894000A5160531	PIZZA DELUXE 9 OZ FZ CELE	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
894000A5160541	PIZZA CHEESE 19 OZ CELEST	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
894000A5160551	PIZZA SAUSAGE 22 OZ CELES	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	4
894000A5160561	PIZZA DELUXE 23 1/2 OZ CE	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
894000A5160571	PIZZA PEPPERONI 20 OZ CEL	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	1
894000A5250721	HUSH PUPPIES 1 LB FRZ SEA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
894000A5251721	DINNER SEAFOOD 9 OZ FRZ S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	3
894000A5770211	TURX SLCD W/GIBLET GRAVY	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A5770591	DNF FRIED CHIX FZ 11 OZ B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	1
894000L0510421	CREAM REAL TOPPING 7FL OZ	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2
89450061600781	MARGARINE PRINTS 1LB OR 1	1	2	1	2	2	1	5	2	2	1	.	.	.	2	1	2	.	2	3	.
89450061600911	SHORTENING COMPOUND GENER	1	3	4	2	2	1	2	1	3	2	.	.	1	2	2	1	1	.	.	.
89450061600921	SHORTENING COMPOUND, BAKE	.	.	.	2	1	.	.	.	.	1	1	2	.	2	2	.	.	.	.	.
89450092664911	MARGARINE RTS PATTIES 90	2	2	.	1	2	1	1	2	2	2	.	1	.	2	1	1	.	2	1	.
89450093568541	MARGARINE PATTIES 90 PER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	1	.
894500A0110061	MARGARINE COL SOFT TUB 1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	2
894500A0111311	MARGARINE COL 1/4'S LB HQ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	1
894500A0472211	MARG CORN OIL 1/4LB PRINT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894500A1320281	MARG 2-8OZ PLAS.CUPS SOFT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	5
894500A1320471	MARG OTRs COL CH #5020 PA	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
894500A1320911	OLEOMARGARINE SQUEEZE PAR	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	2
895000A0257001	PICKLES KOSHER CH 1QT OSC	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
895000A0257051	PICKLES KOSHER HALVES 1QT	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2
895000J9515681	DIP AVOCADO 7 3/4 OZ FROZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	1
895000J9540351	DIP AVOCADO GUACAMOLE HOT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	1
896000A4550381	MILK SHAKE CHOC FROSTED 7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.

PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE																	IB	PA
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB	FC			IA
89050004418541	PIGS FEET, FRONT, FROZEN	2	2	1				2	2	2									5	1
89050008257331	FISH PORTIONS FZ COD/HADD																		1	2
89050011823221	PEPPERONI FROZEN						1													
89050012633931	HAM CANNED CHLD PEAR SHAP	2	5	1	1	2	5	1	1	1	2	1	1	2	2	2	1	2	2	1
89050012634161	CHIX BRO/FRY/WHL FZ RTC 3	2	2	2	1	5	3		2	1	1	1	1	2	5	1	2			
89050012640621	PORK, BOSTON SHOULDER BUTT		1		2	2	2		2	2	5			1	1	2		1	2	2
89050012687241	PORK, TENDERLOIN, SPECIAL, F																	2	1	
89050012687431	PORK, SPARERIBS, FROZEN	2	2	2	1	5	2	1	1	1	2	2	2	1	5	1	1	2	1	5
89050012784721	COD FZ FILLETS SKNLS 3-24									2								1	2	2
89050012784741	HADDOCK FZ FILLETS SKIN		3			2												1	2	2
89050013358861	BEEF KNUCKLE SPECIAL (OVE	2	1	1	1	1	1	2	2	2	1	2	1	2	2	1	2	2	5	1
89050013358871	BEEF SHOULDER CLOD (POT R	1	1	1	1	2	2	1	1	1	2	2	1	2	2	2	1	1	2	1
89050013358881	BEEF ROUND R8S OFF BNLS I		2	1		3														
89050013358891	BEEF FOR SWISSING, BRAISI	2	2	1	2	2	1	2	2	1	2	2	2	5	2	2	2	1	1	2
89050013420151	TURKEY BNLS RAW FZ MOLDED																			
89050013420161	TURX FZ RTC WHL GR A TOM																	4	5	2
89050013871591	CHIX FZ BRO/FRY C/U RTC W																	4	4	4
89050013871611	CHIX FZ WHL RTC BRO/FRY G																	1	1	1
89050013984811	VEAL STEAK FLAKED FORMED	1	1	1	1	2	2	1	1	1	2	1	1	1	1	2	1	1	1	2
89050014913551	PORK, HOCKS, SHOULDER, FZ CU																	2	2	2
89050016404851	PERCH FZ FILLETS SKIN ON	2	3	1	2	2	1	2	2	2	1	1	4	2	2	1	2	1	1	2
89050016404901	FLOUNDER FZ FILLET SKNLS	1	3	1	1	1	2		2				1	1	2	1	1	1	1	2
89050016468741	SCALLOPS FZ SEA FED PP-S-		2			2	1													
89050017750171	BEEF FOR STEWING	1	2	1	1	5	1	1	1	1	2	1	2	1	2	2	1	1	1	2
89050020959231	CHITTERLINGS RAW FROZEN																	1	1	1
89050025276691	HALIBUT FZ STEAKS 3 TO 24	2																		
89050026272741	TKY BNLS RAW FZ TYPE I OR	1	1	1	1	4	1	1	2	1	2	2	4	2	1	2	1	2		
89050027336221	4.1 RABBIT FZ CUT-UP GR A		2													1		2	2	2
89050029913161	CORNEED BEEF FROZEN	2	1	1	1	2	2	2	2	2	1	2	1	1	2	2	2	1	2	2
89050029913301	SALAMI COOKED FROZEN		5	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
89050040395921	BACON SLICED (BULK), FROZ	1	2	2	1	1	1	2	1	1	1	2	2	1	2	1	1	2	1	1
89050041046711	BEEF ROUND R8S OFF ITEM N		1	2	1	1			2	2	2	2	2	1	2	1	1	2	4	1
89050041943201	BACON CANADIAN STYLE FZ U						1								1	1	1	2	4	1
89050046518961	TKY BNLS RAW CLAUS F50																			1
89050049172081	CHIX QTRD F Z BRO/FRY TYP		2	2	3	3	1	3	1	5				2	2		2	1		
89050049284071	FISH STICKS FZ COD/HADDOCK					1													1	2
89050049284081	FISH STICKS FZ OCEAN PERC	1		2			2		2	1	2				2	2			1	2
89050049334561	FISH STICKS FZ FLOUNDER R																	1	2	
89050054373321	TKY WHL FZ RTC GR A TYPE		1																	
89050054373331	TURX WHL FZ RTC GR A TOMS	5	4		4	5	4			4	5				5					
89050055199101	BACON, SLAB, FZ, CURED, SMKED															2				
89050058213231	BEEF, TENDERLOIN(FULL), FZ	1	2															2	1	2
89050058213401	CHK FZ QTR W/D NKS & GIB																			
89050058213451	PORK LOIN BLUELESS, 10-19																			
89050058213461	BOLOGNA, FROZEN, BEEF AND	2	2	1	1	2	1	1	1	2	2	1	1	1	2	1	2	2	2	1
89050058240351	DUCK WHL FZ RTC CLASS 1 D		2	1												3				5
89050058240391	SHRIMP FZ RAW PEELED DEVE		2	2	1		4									1				
89050058240491	BEEF RIB PRIMAL ITEM NO 1		1															2		
89050058240511	CHIX WHL FZ BRO/FRY GR A		1															1	1	1
89050058432121	OYSTERS SHUCKED EAST/GULF																			
89050061600501	FRANKFURTERS FROZEN	2	1		1	1	1	2	2	1			2	2	2	5	1	2	2	1
89050065584101	BEEF LIVER SLICED FROZEN	1	1	1	2	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1
89050068266431	HAM SECTIONED & FORMED, S	1	1	2	2	2	5	2	2	1	1	1	1	1	2	2	1	1	1	2

PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE																	PA	
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB	FC		LA	LB
89050068268161	PICKLE AND PIMENTO LOAF F	1		1																
89050075364261	FRESH HAM,BONELESS(ROAST)	2	1	2	2	1	2	2	1	2	1	2	2	1	2	2	1	1	5	1
89050075365021	PORK,DICED,FROZEN	1	2	1		2	1	2	1	1	1	1				2				
89050075365681	PORK, LOIN, BONELESS, FRO	1	3	1	1	2	1	2	1	1	1	1	2	2	2	2	2	2	1	2
89050075365691	PORK CHOPS, BONELESS, FZ,	2	1	2		3	2	1	2	4				2		2		2	2	2
89050078227531	FISH PORTIONS FZ FLOUNDER		1		1		2							1				1	2	
89050078231901	FRANKFURTERS, FROZEN,	1	1	1		1				1	1			2	1			1	1	1
89050092615991	LAMB LEG BNLS ROAST FROZE	1	2	2			2													
89050092664851	PORK SAUSAGE ROLL FROZEN		2						3					2	2					
89050093547651	FISH PORTIONS FZ OCEAN PE	2	1	1	1	2	1	4	1	1	1	2	1	1	1	1	1	2	1	2
89050096023031	SHRIMP FZ RAW BRD DEV STY		1	1	1	1	1		1	2			2	1	1	1		5	5	5
89050096521281	CHIX C/U F BRO/FRY W/O BN	1	1	1	1	1	2	1	1	1	2	1	1	2	5	3	2	2		
890500A0250101	FRANKS ALLMEAT OMAYER 1LB																			
890500A0250191	FRANKS ALL BEEF OMAYER 1L	2																2	1	1
890500A0250301	SAUS SMOKYLIN OMAYER12OZ		1															5	5	2
890500A0250761	PK SAUS ROLL P/R 36/1# FZ																	3	5	2
890500A0251051	BRAUNSHWEIGER OMAYER 8 OZ																	3	2	2
890500A0251331	BOLOGNA SLCD OMAYER 12 OZ		1															5	2	2
890500A0251801	PKLE & PIMENTO OMAYER 8 OZ																	5	2	2
890500A0252011	BEEF BOLOGNA RD 24-3/4LB		1															1	2	2
890500A0252271	PORK LOIN CONTRIM7 1/2-10																			
890500A0252351	SALAMI COTTO OMAYER 8 OZ	2																5	2	2
890500A0252571	SALAMI HARD OMAYER 8 OZ	2																1	2	2
890500A0252651	SALAMI 12-1/2 LB FZ OSCAR																	2	2	2
890500A0252801	LUNCH MEAT PORK MAYER 8OZ																	5	2	2
890500A0252901	HAM CHOPPED SLD PK 1/2LB		1															3	2	2
890500A0253361	HAM COOKED SLC OMAYER 6OZ																	3	2	2
890500A0253421	BACON CANADIAN OMAYER 6OZ		1															5	2	2
890500A0253471	HAM STEAKS OSCAR MAYER 8O																	2	2	2
890500A0253551	SLI BAC 12/1# SARMP BW #1																	4	2	2
890500A0255101	BACON SLCD OMAYER 1LB MEL	2																5	1	2
890500A0255551	TNDRSWEET MORSELS OMAYER																	1	2	2
890500A0256051	PORK CHOPS OMAYER 1 LB	1																5	3	1
890500A0840471	HAM PATTIES CHILL 12 OZ H																	2	1	1
890500A0841131	HAM CND HORMEL 3 LB. EXL	2																1	2	2
890500A1080961	HAM CND 3 LB SWIFT PREMIU																	4	2	2
890500A1081021	HAM PEAR SHPE PREM 5LB CH	2																4	1	1
890500A1081211	HAM CND 4 LB SWIFT HOSTES	2																5	5	5
890500A4350221	CHIX 1/2BROILR TASTYBIRD																	2	1	1
890500A4352711	WH GRILLERS 2LB W/D GIBS																	2		
890500A5770011	CHIX FRIED 32 OZ FZ BANQU		1															1	2	2
890500A5771261	CHIX FRIED 60 OZ #11599 B																	1	1	1
890500J1850231	PK SAUS BROWN N SERVE 8OZ	1																1	2	2
890500J5002051	BACON SLCD GWALTNEY 1 LB																	1	1	1
890500J5002271	BACON SLCD SWIFT PREM 1LB		1															1	2	2
890500J5004061	HAM BNLS HLF CURE HORMEL																	4	4	1
890500J5004731	RACON THKSLC GWALTNEY 1LB		1															1	1	1
890500J5004801	PK SAUS WILLIAMSBURG 1 LB																	1	1	2
890500J5004821	HAM SMKD FULLY CKD 10-14L	5																4	1	1
890500J5006161	BOLOGNA SLCD GWALTNEY 1LB																	5	5	1
890500J5006641	BOLOGNA ALL MEAT THICK SL																	1	2	2
890500J5006861	BF CORNED OVENROAST SWIFT																	1	1	1
890500J9500791	BOLOGNA KOLBASSE 12 OZ FZ																	2		2

PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE																			
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB	FC	LA	LB	PA
890500J9502071	BEEF LIVER TENDER SCLD 1L	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	2
890500J9502391	SAUSAGE PATTIES B&S 8 OZ	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
890500J9509071	PK PICNIC SMOKHOUSE 4-6LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2	1
890500J9512041	PK SAUS HOT GWALTNEY 1 LB	.	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
890500J9514181	PK LOIN 8-12LB SMITHFIELD	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	1	.
890500J9515641	PK LOIN SMK CKD 8-12LB S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
890500J9520681	FRANKFURTERS ALLMEAT 1LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
890500J9521051	BOLOGNA THKSLC SWIFT 1 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
890500J9521841	HAM UNCKD PEPCOAT10-14LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	.
890500J9522671	FRANKS SKNLS 160Z SWIFT	.	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	1
890500J9533891	SMKD HAM DELI THIN SLI 30	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	2
890500J9533911	CORNED BEEF DEL THIN PREM	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	.
890500J9534481	OVN ROAST CORN BF GAR/SP	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9535311	SPARERIBS TLP SWIFT INDIV	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9536411	FRANKFURTERS ALL BF 160Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	2
890500J9537851	HAM HOCKS LAYER PK 8-10Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.
890500J9537861	HAM HOCKS SMK LAYER PK D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	.
890500J9537881	SAUSAGE SMK OLD VA 1LB W1	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
890500J9538611	BACON SIZZLEAN SWIFT	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
890500J9539461	ROAST BNLS CHUCK 3.0LB TE	.	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9539571	STEAK T-BONE .75LB FZ TEM	.	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9539611	STEAK FLANK .95LB FZ TEMP	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9539641	ROAST RUMP BNLS 3.5LB FZ	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9539651	BEEF STEW MEAT 1LB FZ TEM	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9539741	BEEF GROUND 1LB FZ TEMPLE	.	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9539811	PORK LOIN BLDS SWIFT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.
890500J9539871	BEEF HAMBURGER PAT 4 OZ S	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9540111	SAUS LINKS BROWN&SERVE BF	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
890500J9540121	HAM RED PEPPERED 4 OZ FZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	.	.
890500J9540131	PEPPERONI FLEX PK SCLD 3.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
890500J9540181	SAUSAGE LITTLE SIZZLERS H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	1	1
890500J9540201	FRANKS CORN DOGS 11 OZ FZ	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	1
890500J9540211	FRANKS TATER DOGS 10 OZ H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	4
890500J9540221	FRANKS BRND WRANGLERS 48/	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
890500J9540231	FRANKS GREAT DOGS 48/1LB	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
890500J9540251	FAT BACK 1 1/4 LB BID-VAC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.
890500J9540281	PIGS FT SPLT NAILS TRM FR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	.
890500L0060861	CHIX LIVERS BX PK 1LB ROC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.
890500L0710061	PK SAUSAGE LINKS 1LB DAIR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
890500L0710281	SAUSAGE DNR LINK JONES DA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.
890500V0307851	PORK LOIN REG	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.
890500V0307861	PORK SPARERIBS 1 1/2-5LBS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	.
890500V0307871	PORK SPARERIBS 8B 1-2LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	.
89050103475471	BEEF STRIP LOIN STEAK	1	4	.	.	.	.	.	.	1	.	.	.	.	2	.	.	.	.	.	.
89050103475481	BEEF RIBEYE ROLL STEAK	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050103475491	BEEF TOP SIRLOIN STEAK	1	1	.	2	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.
89050105031901	BEEF PATTIE MIX (BULK) FR	5	1	1	2	1	2	5	1	2	1	1	1	1	1	1	2	2	1	.	2
89050105031921	BEEF PATTIES FROZEN, 3 OZ	2	1	1	2	1	1	5	5	1	1	1	1	2	2	1	2	1	1	.	2
890501V0309181	LAMB NEW ZEALAND SHLDR FR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890501V0309191	LAMB NEW ZEALAND LOIN FZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.
890501V0309201	LAMB NEW ZEALAND FZ FULL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.
890501V0309211	LAMB NEW ZEALAND HOTEL RA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.
890501V0309561	RAINBOW TROUTS FRZ 12 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.

PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE																PA		
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB		FC	LA	LB
890501V0309571	PORK TENDERLOIN FRZ HAVER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.
890501V0309581	PORK LOIN BOMLESS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.
890501V0309591	PORK LOIN CHOPS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.
891000A4331981	EGGS SHELL MED OR LARGE C	2	2	2	2	2	.	.	.	.	.	.	.	.	5	.	.	.	.	.
891000A4332001	EGGS SHELL LARGE CONS GR	1	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A8262051	CHEESE AMER PROC PAST 5 L	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	1	2	3	1
89100012584401	CHEESE CHEDR NAT FRS MED	2	4	2	1	2	2	2	2	2	2	2	2	2	2	1	2	1	1	1
89100012782521	EGGS WHOLE FZ BAKERY TYPE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
89100014904931	CHEESE FOOD AMER PROC 3-5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	1
89100058213421	CHEESE PROVOLONE NAT SMKD	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100058464311	CHEESE SWISS AND AMERICAN	.	2	.	2	1	.	2	.	.	.	.	.	.	.	.	.	.	2	.
89100058464341	CHEESE SWISS NATURAL SAND	2	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
89100061600381	BUTTER SLT GRA 1LB PRNT O	2	2	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	1
89100061600511	EGGS WHOLE FZ TABLE TYPE	1	2	.	2	2	2	2	2	2	2	2	2	2	2	1	2	1	3	1
89100065609931	CHEESE AMER PROC SLICES 1	1	1	1	1	1	2	1	2	1	2	2	2	2	2	2	1	2	3	1
89100078228371	CHEESE MOZZARELLA NAT TYP	2	2	1	1	1	2	.	.	.	.	.	.	.	.	1	1	1	2	1
89100078231911	CHEESE CHED NAT DONATED R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100078231931	BUTTER SALTED DONATED 1LB	1	1	2	1	1	2	1	1	1	2	1	1	1	1	1	2	4	1	2
89100078231951	BUTTER SALTED 90 PAT PER	1	4	.	2	1	2	.	2	2	.	.	.	.	1	.	.	2	1	1
89100092699621	BUTTER SLT GRA AA OR A 90	1	.	.	.	.	.	.	.	.	.	.	.	.	2	2	.	.	2	.
89100093567091	BUTTER SALTED 90 RTS PAT	2	1	1	1	1	2	1	2	1	2	1	1	1	1	2	.	1	1	1
89100093567761	BUTTER SLT GRA A 90 PAT P	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1
891000A1320451	CHEESE AMER SLCD RIB CH 3	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	2	2
891000A1321361	CHEESE AMER SLCD INDIVMRP	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	1	1
891000A1321551	CHEESE GRATED PARMESAN 8	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	1	1
891000A1321721	CHEESE GRATED PARMESAN 3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	1	1
891000A1321841	CHEESE NAT CHUNK REG SWIS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	2
891000A1321951	CHEESE SPREAD VELVEETA 2L	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	4
891000A1322251	CHEESE PHILA PLAIN CREAM	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2	2
891000A1322411	CHEESE PHILA PLAIN CREAM	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	1
891000A1322431	CHEESE SPREAD 12S 1/2LB 8	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	2
891000A1323151	CHEESE WHIP/CREAM CHIVE 4	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	5	5
891000A1323201	CHEESE WHIP/ONION 4 OZ KR	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2	2
891000A1324101	CHEESE STICKS MELLOW COL	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	2
891000A1324201	CHEESE STICK SHP 10 OZ CR	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	2
891000A1324301	CHEESE STICK X-SHARP COL	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	2
891000A1324701	CHEESE CHED COL HLF MOON	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	1
891000A1325151	CHEESE MOZZ SHRED 4OZ KRA	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1325201	CHEESE MOZZ RND 8 OZ KRAF	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1325301	CHEESE BLUE 4 OZ KRAFT	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1325401	CHEESE GUDA BABY 8 OZ CH	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1325801	CHEESE SLCD SWISS REG 8 O	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2	2
891000A1326351	CHEESE PROVOLONE SLCD 8 O	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2	2
891000A1326501	CHEESE MOZZARELLA SLCD 80	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	2	2
891000A1327751	CHEESE CHEDDAR 12 OZ CH K	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	2
891000A1328051	SQUEEZE A SNAK BACON 6 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	2
891000A1328061	SQUEEZE A SNAK JALAPENO 6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	1
891000A1328751	CHEESE MONTEREY NAT 12 OZ	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	2
891000A1329041	CHEESE SPREAD WHIZ 8 OZ C	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2	1
891000A4550101	CHEESE AMERICAN SLCD 12 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	2
891000A4551011	CHEESE AMER 2LB BX CHILL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	2
891000A4552311	ICE CREAM VANILLA 1/2 GAL	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1
891000A4552571	CHEESE SLCD AMERICAN 4LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	1	1

PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	AA	AB	AC	BA	BB	BC	WAREHOUSE								LA	LB	PA	
								CA	CC	DA	DB	EA	ED	EE	EF				FA	FB	FC
891000A5550011	BUTTER SALT QTRS 36/1LB L	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	1
891000L0510201	CREAM STERILIZED STABIL W	.	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000S1112991	EGGS SHELL CTN LGE CONS G	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100107256531	BUTTER CCC SALTED, 4 PRIN	.	5	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
89150004419181	POTATOES WHITE FROZEN SHR	2	5	2	2	1	2	2	1	2	2	3	1	2	3	2	1	2	2
89150008051791	POTATOES WHT FZ SHOESTRIN	.	1	.	.	2	.	.	2	.	.	.	.	.	.	.	3	2	2
89150008108561	PEPPERS SWEET FRZN GREEN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2
89150008108571	POTATOES WHITE FRZN DICED	.	2	.	2	.	.	.	2	.	.	1	2	1	.	.	.	.	2
89150012779841	BEANS LIMA FRZ 2 - 5 LB P	1	2	2	2	1	2	2	2	1	1	1	2	2	2	2	1	2	1
89150012779911	BRUSSELS SPROUTS FRZN 2 -	1	1	1	2	2	2	1	2	1	1	2	1	2	2	2	2	2	2
89150012779921	SPINACH FRZN CUT LEAF OR	1	1	1	1	2	1	2	1	1	1	2	1	1	1	1	1	1	2
89150012780181	CORN FRZN GOLDEN WHOLE GR	2	5	1	2	2	1	2	1	2	1	2	1	2	1	2	2	1	2
89150012780211	PEAS FRZN 2 - 5 LB PG U.S	2	2	1	2	2	2	2	2	2	1	2	1	1	2	2	2	1	2
89150012811761	BEANS GREEN FRZ ROUND CUT	2	2	1	2	2	1	2	2	1	2	2	2	2	5	2	1	2	1
89150012908251	BROCCOLI FRZN SPEARS 6 IN	1	1	2	1	2	2	1	1	1	1	2	1	2	1	1	1	2	1
89150014309111	BLUEBERRIES FZ W/O PACKIN	.	.	.	.	1	.	1	.	.	1	.	.	.	.	2	.	.	.
89150014309831	SUCCOTASH FRZN U.S. GRADE	2	1	2	1	1	1	2	1	1	2	2	2	2	2	2	2	2	1
89150014309971	PEAS AND CARROTS FRZN CON	1	2	1	1	2	2	1	2	1	2	1	2	1	2	2	1	2	2
89150016061561	CAULIFLOWER FRZN 2 - 5 LB	1	2	1	2	2	1	1	2	1	1	2	1	2	2	2	2	2	2
89150016250871	CARROTS FRZN SLICES SHALL	1	2	1	2	1	2	2	2	1	1	.	2	2	1	2	2	2	2
89150016298781	BEANS GREEN FRZN ROUND FR	2	2	2	.	1	2	.	.	.	.	.	.	.	.	1	1	.	1
89150019134611	ONION RINGS FRZN RAW BREA	1	2	2	2	2	1	4	1	1	2	2	2	2	3	2	2	2	1
89150025237851	OKRA FRZN CUT 2 - 5 LB PG	.	1	.	2	1	1	.	5	.	.	2	.	1	1	1	2	.	1
89150040460651	ASPARAGUS FRZ ALL GREEN C	1	2	.	2	1	1	1	2	1	2	2	.	2	2	2	2	1	5
89150041126761	JUICE LEMON FRZ CONCENTRA	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
89150041126771	JUICE GRAPE FRZ CON TYPE 1	1	1	1	1	2	1	2	1	2	1	2	1	3	2	5	2	2	1
89150041126781	JUICE GRAPEFRUIT FZ CON S	1	1	2	2	1	2	5	.	2	2	.	.	.	.	.	1	5	4
89150043779431	JUICE ORANGE FZ CON UNSWE	5	1	1	1	2	1	1	1	1	2	2	2	2	2	1	2	1	2
89150058240531	STRAWBERRIES FRZ SLICED O	1	1	2	2	1	1	1	2	1	2	3	4	1	1	1	1	2	5
89150058416411	PEACHES FRZ HEAVY SYRUP O	.	1	.	.	1	.	1	1	1	1	.	.	2	1	.	.	.	.
89150061602291	SQUASH FRZN SUMMER SLICE	2	2	1	2	5	1	1	1	2	1	2	2	2	2	2	1	2	1
89150061648191	BEANS WAX FRZN ROUND CUT	1	2	.	1	2	2	2	.	2	5	.	.	.	2	1	.	.	1
89150078235081	POTATOES WHT FZ FR FRIED	2	1	2	2	1	2	1	2	1	2	3	2	2	5	1	2	3	1
89150092659361	GREENS MUSTARD FRZN CHOPP	1	2	1	5	5	1	.	1	2	1	2	2	2	1	5	2	2	1
89150092659371	GREENS TURNIP FRZN CHOPPE	1	2	.	5	1	1	1	1	2	.	1	1	2	2	1	1	1	2
89150093566201	VEGETABLES MIXED FRZN U.S	1	1	2	1	1	1	1	2	1	1	2	1	2	2	2	2	2	1
891500A0330031	JUICE ORANGE CONC 12 OZ D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	1
891500A0454861	GREEN PEAS 16 OZ STOKELYS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5
891500A1190581	OKRA WHOLE 16 OZ. FRZ. WI	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
891500A1190631	PEAS BLACKKEYE 16 OZ FRZ W	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	1
891500A1190841	BEANS GREEN CUT 16 OZ FRZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
891500A1190861	BEANS GREEN FRENCH CUT 16	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
891500A1190901	BEANS BABY LIMA 16OZ WINT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
891500A1190971	BEANS BUTTER SPECKLED 16Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
891500A1191121	VEGETABLES MIXED 16 OZ FR	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
891500A1191141	PEAS & CARROTS 16 OZ WINT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	1
891500A1191151	VEGETABLES STEW 20 OZ FRZ	.	.	.	.	.	.	.	.	.	.	.	.	11	.	.	1	.	2
891500A1191311	CARROTS WHL BABY 16 OZ WI	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
891500A1191561	CORN CUT 16 OZ. FROZEN W	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
891500A1191571	COLLARD GREENS 16 OZ WINT	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
891500A1191591	GREENS TURNIP CHOPPED 16Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
891500A1191601	BROCCOLI, CUTS 16 OZ WINT	.	5	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
891500A1191611	CAULIFLOWER FLORETS 16 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1

PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB	FC	LA	LB	PA
891500A1191661	BROCCOLI SPEARS 10 OZ FZ	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
891500A1191691	BRUSSEL SPROUTS 10 OZ FZ	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
891500A1191751	CORN ON THE COB 4 EARS WI	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
891500A1191811	GREEN PEAS 16 OZ FRZ WINT	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	1
891500A1191871	BRUSSEL SPROUTS SM 16 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
891500A1192331	SQUASH SLCD ZUCCHINI 16 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
891500A1320341	JUICE ORANGE 32 OZ KRAFT	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	1
891500A2030231	MELON BALLS MIXED 16 OZ F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
891500A2031561	SPINACH CHOPPED 10 OZ FRZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
891500A2032841	PEPPERS CHOPPED 10 OZ SEA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
891500A2600051	JUICE ORANGE CONC 6 OZ MI	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2	1
891500A2600101	JUICE ORANGE CONC 12 OZ M	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
891500A2600121	JUICE ORANGE CONC 16 OZ F	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2	1
891500A2600251	JUICE GRAPEFRUIT 6 OZ FZ	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
891500A2600501	LEMONADE CONC 48/6 OZ MIN	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
891500A2600551	LEMONADE CONC 12 OZ FZ MI	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	2
891500A2600811	LIMEADE CONC 6 OZ FZ MINU	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
891500A4401171	CORN ON THE COB 4 EARS FZ	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	1	1
891500A4401601	POTATOES CRINKLE CUT 5LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	1
891500A4820021	APPLE JUICE FZ 12 OZ CN S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
891500A5252321	ONION RINGS 16 OZ FZ SEA	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	1
891500A5300201	JUICE GRAPE CONC 12 OZ FZ	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
891500J9537021	MUSTARD GREENS CHOPPED 16	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	1
892000A090131	TURNOVER APPLE 12 1/2 OZ	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2
892000A0391201	PIE SHL PSTRY 9 IN 5 PER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	5
892000A0391321	WAFFLES HOMEMADE 12 OZ DO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
892000A0790041	CAKE CR CHEESE LG 17 OZ S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2
892000A0790401	ROLLS CARAMEL PECAN 10.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
892000A0790421	CREAM PIES CHOC BAVARIAN	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	1
892000A0790621	STRAWBERRY SHORTCAKE 21Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2
892000A0790641	BLACK FOREST CAKE 21 OZ S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2
892000A0790721	CAKE POUND 10 3/4 OZ FZ S	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2
892000A0790801	BROWNIES CHOC W/CHOC ICIN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
892000A0793341	CAKE LAYER WALNUT 18 OZ F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	.	3
892000A2092971	CUPCAKE ORANGE FILLED 3 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2
892000A2093011	CUPCAKE DEVILFOOD FILLED	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2
892000A2093051	CAKE SNO-BALL DEVILFOOD 3	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2
892000A2093911	BREAD HOME PRIDE WHEAT WO	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A2093921	BREAD WHITE RND TOP 22 OZ	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A2094431	ROLLS HAMBURGER WHITE FRZ	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A2094451	ROLLS HOT DOG WHITE 12/12	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A2094621	CHOC DILES 8 PKG 16 OZ HO	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A2094651	BRD BFSTEAK RYE HEARTY WO	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A2095261	TWINKIE SWT/GOODS W/PAK H	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	1
892000A3142511	WHITE BREAD DOUGH 2/1LB L	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	3
892000A3160051	PIE APPLE 26 OZ FRZ MRS S	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	2
892000A3160601	PIE PECAN 24 OZ FRZ MRS S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	1
892000A3161151	PIE APPLE GOL DELUXE 46OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	2
892000A3161201	PIE DUTCH APPLE CRUMB 46O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	.	2
892000A3161551	PIE CHERRY GOLDN DELX 46O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
892000A5160451	WAFFLES FRZ JUMBO 15 OZ A	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2
892000A5160461	PANCAKE BATTER FRZ 16 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	1
892000A5530281	ROLLS STEAK-UMM 6CT 13/6C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2

PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE															
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB
892000A5600011	MUFFINS ENGLISH 8 OZ FZ T	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A5600111	MUFFIN ENGLISH FZ 12/24 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A5940201	BAGELS PLAIN 6 PER FZ LEN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A5940241	BAGELS ONION 12 OZ FZ GCT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000L0990101	ROLLS FR BROWN&SEV 10Z PE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000L0990651	BREAD RYE SLCD SALTY PEPR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000L0990751	BREAD WHITE THIN SL 1LB P	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0475211	CNDY BABY RUTH 16OZ FUN S	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0477391	CNDY BUTTERFINGERS FMLY P	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0550131	CANDY MLK CHOC CH JRS 24	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0550141	CNDY ALM MILK CHOC JR S2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0550751	CANDY MLK CHOC PINUT BUTTE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0551001	CNDY MILK CHOC 1.50Z 6PK-	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0551041	CNDY ALM MILK CHOC 1.05 O	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0551161	CNDY MR GOODBAR 24/6/1.65	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0551971	BAKING CHIPS CHOC FLV 12	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0551991	CHIPS MLK CHOC 11.50 OZ C	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0552221	MLK CHOC KIT KAT CRSP WAF	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0552261	REESE MLK CHOC PINUT CPS 2	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0553591	CDV ROL 6PK 24PG/CS HERS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0690121	CNDY M&M PLAIN CHOC 10 OZ	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0690241	MILKY WAY BR 10 OZ FUN S2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0690261	SNICKERS BAR 10 OZ FUN S2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0690281	3MUSKETEERS BAR 10 OZ FUN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0691861	CNDY MILKY WAY BAR 1LB CH	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0691921	CNDY SNICKERS BAR 1LB CH	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0692161	CNDY 3 MUSKETEERS BAR 1LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0880321	CHOCOLATE SEMI SWT MORSEL	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0882131	CNDY MINATURE CRUNCH BAR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A1370031	CNDY LOLLIPOPS 40Z SPANGL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A1762121	CNDY MILK CHOC PEANUTS 5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A1762141	CNDY MILK CHOC RAISINS 5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A1762161	CNDY MILK CHOC PEANUT GLS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A1762261	CNDY CHOC COVERED BRIDGE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400078228271	TOPPING DESSERT AND BAKER	1	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.
894000A0090101	MACARONI AND CHEESE 7 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090181	CHKN PIES 24/8 OZ FRZ SWA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090211	BEEF PIES MEAT 24/8 OZ FR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090241	TURX PIES MEAT 24/8 OZ FZ	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090301	HUNGRY MAN CHIX PIE 1 LB	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090331	BEEF PIES 1LB DEEP DISH F	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090361	TURX PIES 1LB DEEP DISH F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090631	DINNER BEEF TV 11 1/2 OZ	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090661	DNR SIRLOIN CHOPPED 10 OZ	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090701	CHKN FRIED WHITE PORTION	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090721	DINNER MEAT LOAF TV 10 3/	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090761	DNR STEAK SWISS 10 OZ FZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090801	DINNER TURX TV 4 COMPART	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090931	DNR PORK LOIN 11 1/4 OZ S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090981	DNR VEAL PARM TV 12 1/4 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0091201	SALTSBURY STK W/CRINKL PO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0091401	DNR CHOPPED BEEF STK H/WA	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0091441	DNR BNLESS CHIX H/MAN 19	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE																			
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB	FC	IA	IB	PA
894000A0091471	DNWS STEAK SALISBURY 17	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
894000A0091651	BKFS PANCKS W/LINK SAUG	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2
894000A0091741	FISH N CHIPS ENT 5 OZ 2CO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2
894000A0091901	DNR FR/CHIX 15 3/4Z H/MAN	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	5
894000A0091911	DNR TURX 18 3/4Z HUNGRYMA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	5
894000A0390691	DESERT TOPPING OLD FASH Q	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	2
894000A0720061	BURRITO RED CHILI 4-1LB C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
894000A0990281	PEAS MED SWT BTR SCE 10 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
894000A0990481	BROCCOLI SPEARS/BTR SCE	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
894000A1130451	TORTILLAS FLOUR 22 OZ ROS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	1
894000A2760061	MACARONI & CHEESE 12 OZ S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
894000A2760921	CREAMED CHIPPED BEEF 11OZ	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
894000A2761461	LASAGNA 21 OZ FRZ NO 1182	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	1
894000A3000901	PIZZA SNK ASSTD. SAUS/PEP	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	1
894000A3000961	PIZZA FLAT CHEESE 11.75 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.
894000A3001021	PIZZA FLAT SAUSAGE 12 OZ	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	1
894000A3001091	PIZZA FLAT PEPPERONI 11.7	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2
894000A3002351	PIZZA DEL COMB SAUS/PEP 2	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	1
894000A3140061	WHIP TOPPING 10 OZ RICH'S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
894000A5160531	PIZZA DELUXE 9 OZ FZ CELE	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
894000A5160541	PIZZA CHEESE 19 OZ CELEST	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
894000A5160551	PIZZA SAUSAGE 22 OZ CELES	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	5
894000A5160561	PIZZA DELUXE 23 1/2 OZ CE	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
894000A5160571	PIZZA PEPPERONI 20 OZ CEL	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
894000A5250721	HUSH PUPPIES 1 LB FRZ SEA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
894000A5251721	DINNER SEAFOOD 9 OZ FRZ S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
894000A5770211	TURX SLCD W/GIBLET GRAVY	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
894000A5770591	DNR FRIED CHIX FZ 11 OZ B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	1
894000L0510421	CREAM REAL TOPPING 7FL OZ	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	1
89450061600781	MARGARINE PRINTS 1LB OR 1	2	5	1	2	2	2	5	2	1	1	.	.	.	2	1	2	.	2	2	.
89450061600911	SHORTENING COMPOUND GENER	1	4	2	2	2	1	1	1	5	2	.	.	1	2	2	1	1	.	.	.
89450061600921	SHORTENING COMPOUND, BAKE	.	.	.	2	1	.	.	.	.	1	2	2	.	.	2	2	.	2	2	.
89450092664911	MARGARINE RTS PATTIES 90	.	.	.	1	2	2	2	2	2	2	.	1	.	2	1	2	.	2	2	.
89450093568541	MARGARINE PATTIES 90 PER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	1	.
894500A0110061	MARGARINE COL SOFT TUB 1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
894500A0111311	MARGARINE COL 1/4'S LB HO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	4
894500A0472211	MARG CORN OIL 1/4LB PRINT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
894500A1320281	MARG 2-8OZ PLAS.CUPS SOFT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
894500A1320471	MARG QTRS COL CH #5020 PA	.	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
894500A1320911	OLEOMARGARINE SQUEEZE PAR	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
895000A0257001	PICKLES KOSHER CH 10T OSC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
895000A0257051	PICKLES KOSHER HALVES 10T	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	2
895000J9515681	DIP AVOCADO 7 3/4 OZ FROZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
895000J9540351	DIP AVOCADO GUACAMOLE HOT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
896000A4550381	MILK SHAKE CHOC FROSTED 7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.

Appendix K

Model Assignments for Perishable Subsistence
by Stock Number and Warehouse

Appendix K

Model Assignments for Perishable Subsistence by Stock Number and Warehouse

*****FORECAST MODEL ASSIGNMENT FOR SUBSISTENCE ITEMS BY WAREHOUSE*****
*****SORTED BY MODEL ASSIGNED AND STOCK NUMBER*****
*****PERISHABLE SUBSISTENCE*****

FINAL GROUP OF FIVE MODELS

L E A D T I M E	MODEL #	NOMENCLATURE	% OF RECORDS ASSIGNED	% REDUCTION IN RMSE	% RECORDS WITH POSITIVE IMPROVEMENT
	1	12-MO AVG	40.0%	22.0%	99.5%
	2	SES(.15)	41.3%	13.9%	95.7%
	3	LAST LT	8.4%	1.6%	54.8%
	4	LAST YEAR	3.6%	32.8%	100.0%
	5	AR1 LAG	6.7%	13.9%	89.6%
		GROUP	100.0%	16.8%	93.5%

P R O C C Y C L E	MODEL #	NOMENCLATURE	% OF RECORDS ASSIGNED	% REDUCTION IN RMSE	% RECORDS WITH POSITIVE IMPROVEMENT
	1	12-MO AVG	47.0%	17.4%	99.5%
	2	SES(.15)	43.8%	8.5%	89.5%
	3	LAST PC	1.7%	-3.1%	17.6%
	4	LAST YEAR	2.4%	35.1%	100.0%
	5	AR1 LAG	5.1%	14.8%	87.1%
		GROUP	100.0%	13.4%	93.1%

12-MO AVG LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE												PA						
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED		EE	EF	FA	FB	FC	LA	LB
89050004418541	PIGS FEET, FRONT, FROZEN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050008257331	FISH PORTIONS FZ COD/HADD	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050011823221	PEPPERONI FROZEN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050012633931	HAM CANNED CHILD PEAR SHAP	X	.	.	X	.	.	X	X	.	.	.	.	.	.	.	.	.	.	.
89050012634161	CHIX BRO/FRY/WHL FZ RTC 3	X	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050012640621	PORK, BOSTON SHOULDER BUTT	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050012687431	PORK, SPARERIBS, FROZEN	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050012784721	COD FZ FILLETS SKNLS 3-24	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050013358861	BEEF KNUCKLE SPECIAL (OVE	X	X	X	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89050013358871	BEEF SHOULDER CLOD (POT R	X	X	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050013358881	BEEF ROUND R&S OFF BNLS I	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050013358891	BEEF FOR SWISSING, BRAISI	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050013871611	CHIX FZ WHL RTC BRO/FRY G	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050013984811	VEAL STEAK FLAKED FORMED	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050014913551	PORK, HOCKS, SHOULDER, FZ CU	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050016404851	PERCH FZ FILLETS SKIN ON	.	.	.	.	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89050016404901	FLOUNDER FZ FILLET SKNLS	X	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050016468741	SCALLOPS FZ SEA FED PP-S-	.	.	.	.	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89050017750171	BEEF FOR STEWING	X	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050020959231	CHITTERLINGS RAW FROZEN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050026272741	TKY BNLS RAW FZ TYPE I OR	X	X	X	X	.	.	X	X	.	.	.	.	.	.	.	.	.	.	.
89050027336221	4.1 RABBIT FZ CUT-UP GR A	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050029913161	CORNEED BEEF FROZEN	X	X	X	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89050029913301	SALAMI COOKED FROZEN	.	.	.	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89050040395921	BACON SLICED (BULK), FROZ	.	.	.	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89050041046711	BEEF ROUND R&S OFF ITEM N	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050041943201	BACON CANADIAN STYLE FZ U	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050046518961	TKY BNLS RAW CLAUD F50	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050049172081	CHIX QTRD F Z BRO/FRY TYP	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050049284071	FISH STICKS FZ COD/HADDOC	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050049284081	FISH STICKS FZ OCEAN PERC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050054373321	TKY WHL FZ RTC GR A TYPE	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050058213231	BEEF, TENDERLOIN(FULL), FZ	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050058213401	CHK FZ QTR W/O NKS & GIB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050058213451	PORK LOIN BLDELESS, 10-19	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050058213461	BOLOGNA, FROZEN, BEEF AND	.	.	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050058240351	DUCK WHL FZ RTC CLASS 1 O	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050058432121	OYSTERS SHUCKED EAST/GULF	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050061600501	FRANKFURTERS FROZEN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050065584101	TEEF LIVER SLICED FROZEN	X	X	.	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89050068266431	HAM SECTIONED & FORMED, S	X	X	.	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89050075364261	FRESH HAM, BONELESS(ROAST)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050075365031	PORK, DICED, FROZEN	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050075365681	PORK, LOIN, BONELESS, FRO	X	X	X	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89050075365691	PORK CHOPS, BONELESS, FZ,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050078227531	FISH PORTIONS FZ FLOUNDER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050078231901	FRANKFURTERS, FROZEN,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

12-MO AVG LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE																		PA
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB	FC	LA		LB
890500A0252011	BEEF BOLOGNA RD 24-3/4LB	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
890500A0252571	SALAMI HARD OMAYER 8 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
890500A0252901	HAM CHOPPED SLD PK 1/2LB	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
890500A0255101	BACON SLCD OMAYER 1LB MEL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
890500A0255551	TNDRSWEET MORSELS OMAYER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
890500A0256051	PORK CHOPS OMAYER 1 LB	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
890500A0841131	HAM CND HORMEL 3 LB. EXL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
890500A1080961	HAM CND 3 LB SWIFT PREMIU	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
890500A1081021	HAM PEAR SHPE PREM 5LB CH	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
890500A1081211	HAM CND 4 LB SWIFT HOSTES	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
890500A4350221	CHIX 1/2BROILR TASTYBIRD	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
890500A5770011	CHIX FRIED 32 OZ FZ BANQU	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
890500J1850231	PK SAUS BROWN N SERVE 8OZ	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J5002051	BACON SLCD GWALTNEY 1 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J5002271	BACON SLCD SWIFT PREM 1LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J5004061	HAM BNLS HLF CURE HORMEL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J5004731	BACON THKSLC GWALTNEY 1LB	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J5004801	PK SAUS WILLIAMSBURG 1 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J5006161	BOLOGNA SLCD GWALTNEY 1LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J5006641	BOLOGNA ALL MEAT THICK SL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J5006861	BF CORNED OVENROAST SWIFT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9502391	SAUSAGE PATTIES B&S 8 OZ	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9509071	PK PICNIC SMOKHOUSE 4-6LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9512041	PK SAUS HOT GWALTNEY 1 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9515641	PK LOIN SMKD CKD 8-12LB S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9520681	FRANKFURTERS ALLMEAT 1LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9521051	BOLOGNA THKSLC SWIFT 1 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9522671	FRANKS SKNLS 16OZ SWIFT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9534481	OVN ROAST CORN BF GAR/SP	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9535311	SPARERIBS TLP SWIFT INDIV	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9537851	HAM HOCKS LAYER PK 8-10Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9537881	SAUSAGE SMK OLD VA 1LB W1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9538611	BACON SIZZLEAN SWIFT	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9539871	BEEF HAMBURGER PAT 4 OZ S	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9540131	PEPPERONI FLEX PK SCLD 3.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9540201	FRANKS CORN DOGS 11 OZ FZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9540231	FRANKS GREAT DOGS 48/1LB	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9540281	PIGS FT SPLT NAILS TRM FR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500L0710061	PK SAUSAGE LINKS 1LB DAIR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050103475481	BEEF RIBEYE ROLL STEAK	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050103475491	BEEF TOP SIRLOIN STEAK	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050105031901	BEEF PATTIE MIX (BULK) FR	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050105031921	BEEF PATTIES FROZEN, 3 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890501V0309181	LAMB NEW ZEALAND SHLDR FR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890501V0309201	LAMB NEW ZEALAND FZ FULL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100004331981	EGGS SHELL MED OR LARGE C	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100008262051	CHEESE AMER PROC PAST 5 L	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100012584401	CHEESE CHEDR NAT FRS MED	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100012782521	EGGS WHOLE FZ BAKERY TYPE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100014904931	CHEESE FOOD AMER PROC 3-5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100058213421	CHEESE PROVOLONE NAT SMKD	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100058464311	CHEESE SWISS AND AMERICAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100058464341	CHEESE SWISS NATURAL SAND	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

12-MO AVG LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE											LA	IB	PA						
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA				ED	EE	EF	FA	FB	FC
89100061600381	BUTTER SLT GRA 1LB PRNT O	X	.	.	.	X	.	X	.	.	.	.	X	.	.	.	.	.	.	.	.
89100061600511	EGGS WHOLE FZ TABLE TYPE	X	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.
89100065609931	CHEESE AMER PROC SLICES I	X	X	X	X	X	X	X	.	.	X	.	.	.	X	.	.	X	.	.	X
89100078228371	CHEESE MOZZARELLA NAT TYP	X	X	X	X	X	.	.	.	.	.	.	.	.	X	.	.	.	.	.	X
89100078231911	CHEESE CHED.NAT DONATED R	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89100078231931	BUTTER SALTED DONATED 1LB	X	X	X	X	X	X	.	.	.	.	.	X	.	.	.	.	X	.	.	X
89100078231951	BUTTER SALTED 90 PAT PER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	X
89100092699621	BUTTER SLT GRA AA OR A 90	X	.	.	X	X	.	.	.	.	.	.	.	.	.	.	.	X	.	.	X
89100093567091	BUTTER SALTED 90 RTS PAT	X	.	X	X	X	.	X	.	.	.	.	X	.	.	.	.	.	.	.	X
89100093567761	BUTTER SLT GRA A 90 PAT P	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1320451	CHEESE AMER SCLD RIB CH 3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1321721	CHEESE GRATED PARMESAN 3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1321951	CHEESE SPREAD VELVEETA 2L	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1322251	CHEESE PHILA PLAIN CREAM	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891000A1322411	CHEESE PHILA PLAIN CREAM	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891000A1323151	CHEESE WHIP/CREAM CHIVE 4	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891000A1323201	CHEESE WHIP/UNION 4 OZ KR	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891000A1324701	CHEESE CHED COL HLF MOON	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1325151	CHEESE MOZZ SHRED 4OZ KRA	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1325301	CHEESE BLUE 4 OZ KRAFT	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1325801	CHEESE SCLD SWISS REG 8 O	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891000A1326351	CHEESE PROVOLONE SCLD 8 O	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891000A1326501	CHEESE MOZZARELLA SCLD 8O	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1327751	CHEESE CHEDDAR 12 OZ CH K	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891000A1328751	CHEESE MONTEREY NAT 12 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891000A1329041	CHEESE SPREAD WHIZ 8 OZ C	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891000A4551011	CHEESE AMER 2LB BX CHILL	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891000A4552311	ICE CREAM VANILLA 1/2 GAL	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89150004419181	POTATOES WHITE FROZEN SHR	.	.	X	.	.	X	.	.	.	.	.	.	X	.	.	.	.	.	.	.
89150008051791	POTATOES WHT FZ SHOESTRAIN	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150008108561	PEPPERS SWEET FRZN GREEN	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.
89150008108571	POTATOES WHITE FRZN DICED	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150012779841	BEANS LIMA FRZ 2 - 5 LB P	X	X	X	X	X	X	X	.	.	.	.	X	X	X	.	.	X	.	.	X
89150012779911	BRUSSELS SPROUTS FRZN 2 -	X	X	X	X	X	X	X	.	.	.	.	X	X	X	.	.	X	.	.	X
89150012779921	SPINACH FRZN CUT LEAF OR	X	X	X	X	X	X	X	.	.	.	.	X	X	X	.	.	X	.	.	X
89150012780181	CORN FRZN GOLDEN WHOLE GR	X	.	X	X	X	X	X	.	.	.	.	X	X	X	.	.	X	.	.	X
89150012780211	PEAS FRZN 2 - 5 LB PG U.S	.	.	X	X	X	X	X	.	.	.	.	X	X	X	.	.	X	.	.	X
89150012811761	BEANS GREEN FRZ ROUND CUT	.	.	X	X	X	X	X	.	.	.	.	X	X	X	.	.	X	.	.	X
89150012908251	BROCCOLI FRZN SPEARS 6 IN	.	.	X	X	X	X	X	.	.	.	.	X	X	X	.	.	X	.	.	X
89150014309111	BLUEBERRIES FZ W/O PACKIN	.	X	X	X	X	X	X	.	.	.	.	X	X	X	.	.	X	.	.	X
89150014309831	SUCCOTASH FRZN U.S. GRADE	X	.	X	X	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89150014309971	PEAS AND CARROTS FRZN CON	X	.	X	X	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89150016061561	CAULIFLOWER FRZN 2 - 5 LB	X	.	X	X	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89150016250871	CARROTS FRZN SLICES SHALL	.	.	X	X	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89150016298781	BEANS GREEN FRZN ROUND FR	.	.	X	X	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89150019134611	ONION RINGS FRZN RAW BREA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150025237851	OKRA FRZN CUT 2 - 5 LB PG	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
89150040460651	ASPARAGUS FRZ ALL GREEN C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150041126771	JUICE GRAPE FRZ CON TYPE 1	X	X	X	X	X	X	X	.	.	.	.	X	X	X	.	.	X	.	.	X
89150041126781	JUICE GRAPEFRUIT FZ CON S	X	X	X	X	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	X
89150043779431	JUICE ORANGE FZ CON UNSWE	X	X	X	X	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	X
89150058240531	STRAWBERRIES FRZ SLICED O	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150058416411	PEACHES FRZ HEAVY SYRUP O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

LEAD TIME

[illegible]

12-MO AVG LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE															
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB
892500A0551971	BAKING CHIPS CHOC FLV 12	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0553591	CDY ROLD 6PK 24PG/CS HERS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0690121	CNDY M&M PLAIN CHOC 10 OZ	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0690241	MILKY WAY BR 10 OZ FUN SZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0690261	SNICKERS BAR 10 OZ FUN SZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0690281	3MUSKETERS BAR 10 OZ FUN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0691861	CNDY MILKY WAY BAR 1LB CH	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0691921	CNDY SNICKERS BAR 1LB CH	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0880321	CHOCOLATE SEMI SWT MORSEL	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0882131	CNDY MINATURE CRUNCH BAR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400078228271	TOPPING DESSERT AND BAKER	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090211	BEEF PIES MEAT 24/8 OZ FR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090301	HUNGRY MAN CHIX PIE 1 LB	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090331	BEEF PIES 1LB DEEP DISH F	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090661	DNR SIRLOIN CHOPPED 10 OZ	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090701	CHKN FRIED WHITE PORTION	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090801	DINNER TURX TV 4 COMPART	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0091201	SALISBURY STK W/CRINKL PO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0091401	DNR CHOPPED BEEF STK H/MA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0091441	DNR BNLESS CHIX H/MAN 19	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0720061	BURRITO RED CHILI 4-1LB C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0990481	BROCCOLI SPEARS/BTTR SCE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A2760061	MACARONI & CHEESE 12 OZ S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A2760921	CREAMED CHIPPED BEEF 110Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A2761461	LASAGNA 21 OZ FRZ NO 1182	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A3001021	PIZZA FLAT SAUSAGE 12 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A3001091	PIZZA FLAT PEPPERONI 11.7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A3002351	PIZZA DEL COMB SAUS/PEP 2	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A3140061	WHIP TOPPING 10 OZ RICH'S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A5160531	PIZZA DELUXE 9 OZ FZ CELE	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A5160541	PIZZA CHEESE 19 OZ CELEST	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A5160551	PIZZA SAUSAGE 22 OZ CELES	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A5160561	PIZZA DELUXE 23 1/2 OZ CE	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A5160571	PIZZA PEPPERONI 20 OZ CEL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A5250721	HUSH PUPPIES 1 LB FRZ SEA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A5770591	DNR FRIED CHIX FZ 11 OZ B	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000L0510421	CREAM REAL TOPPING 7FL OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89450061600781	MARGARINE PRINTS 1LB OR 1	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89450061600911	SHORTENING COMPOUND GENER	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89450061600921	SHORTENING COMPOUND, BAKE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89450093568541	MARGARINE RTS PATTIES 90	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894500A0111311	MARGARINE COL 1/4'S LB HQ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894500A1320471	MARG QTRS COL CH #5020 PA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0257001	PICKLES KOSHER CH 10T OSC	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000J9515681	DIP AVOCADO 7 3/4 OZ FRDZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000J9540351	DIP AVOCADO GUACAMOLE HOT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

SES(15) LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE													PA						
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE		EF	FA	FB	FC	LA	LB
89050008257331	FISH PORTIONS FZ COD/HADD	X	.	X	.	X	.	.	.	.	.	.	.	X	.	.	.	.	X	.	X
89050012633931	HAM CANNED CHLD PEAR SHAP	.	.	X	.	X	X	.	.	X	X	.	.	.	X	X	.	.	.	.	.
89050012634161	CHIX BRO/FRY/WHL FZ RTC 3	.	X	X	.	X	X	.	X	X	.	.	.	.	.	.	.	.	X	X	.
89050012640621	PORK, BOSTON SHOULDER BUTT	.	.	X	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	X	.
89050012687241	PORK, TENDERLOIN, SPECIAL, F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
89050012687431	PORK, SPARERIBS, FROZEN	X	X	.	.	.	X	.	.	X	X	X	X	.	.	.	.	X	.	.	X
89050012784721	COD FZ FILLETS SKNLS 3-24	.	.	.	.	X	.	.	.	X	.	.	.	.	.	.	.	.	X	.	.
89050012784741	HADDOCK FZ FILLETS SKIN	.	.	.	.	X	.	.	.	X	.	.	.	.	.	.	.	.	X	X	.
89050013358861	BEEF KNUCKLE SPECIAL (OVE	.	.	.	.	.	.	X	X	X	.	X	.	X	.	.	X	X	X	X	.
89050013358871	BEEF SHOULDER CLOD (POT R	.	.	.	.	X	X	.	.	X	.	.	.	.	.	X	.	X	X	X	.
89050013358881	BEEF ROUND R&S OFF BNLS I	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050013358891	BEEF FOR SWISSING, BRAISI	X	X	.	.	.	.	X	X	.	.	X	X	.	.	X	.	.	.	.	.
89050013871591	CHIX FZ BRO/FRY C/U RTC W	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	X	.
89050013871611	CHIX FZ WHL RTC BRO/FRY G	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	X	.
89050013984811	VEAL STEAK FLAKED FORMED	.	.	.	.	X	X	.	.	.	.	.	.	.	.	.	.	.	X	X	.
89050016404851	PERCH FZ FILLETS SKIN ON	X	.	.	X	.	.	X	X	X	.	.	.	X	X	.	X	X	X	X	.
89050016404901	FLOUNDER FZ FILLET SKNLS	.	.	.	.	.	.	X	X	.	.	.	.	.	.	.	.	.	.	.	.
89050016468741	SCALLOPS FZ SEA FED PP-S-	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050017750171	BEEF FOR STEWING	.	X	.	.	.	.	X	X	X	.	X	.	X	X	.	.	.	.	.	.
89050020959231	CHITTERLINGS RAW FROZEN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
89050025276691	HALIBUT FZ STEAKS 3 TO 24	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050026272741	TKY BNLS RAW FZ TYPE I OR	.	.	.	.	.	.	X	X	.	X	X	.	X	.	.	X	.	.	.	.
89050027336221	4.1 RABBIT FZ CUT-UP GR A	.	X	.	.	.	.	.	.	X	X	X	.	X	X	.	X	X	X	X	.
89050029913161	CORNEED BEEF FROZEN	.	.	.	.	.	.	X	X	X	.	X	.	.	X	X	.	.	.	.	.
89050029913301	SALAMI COOKED FROZEN	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050040395921	BACON SLICED (BULK), FROZ	X	.	X	.	.	.	.	.	X	X	X	.	.	.	X	X	X	X	X	.
89050041046711	BEEF ROUND R&S OFF ITEM N	.	X	X	X	X	.	.	.	.	X	X	.	.	.	.	.	.	.	.	.
89050049172081	CHIX QTRD F Z BRO/FRY TYP	.	.	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050049284071	FISH STICKS FZ COD/HADDOCK	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050049284081	FISH STICKS FZ OCEAN PERC	.	X	.	.	.	X	.	.	X	.	X	.	.	.	.	.	.	X	X	.
89050049334561	FISH STICKS FZ FLOUNDER R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	X	.
89050055199101	BACON, SLAB, FZ, CURED, S&KED	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.
89050058213231	BEEF, TENDERLOIN(FULL), FZ	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050058213451	PORK LOIN BLDELESS, 10-19	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050058213461	BOLOGNA, FROZEN, BEEF AND	X	X	.	.	.	.	X	X	X	X	.	.	.	.	.	.	.	X	X	.
89050058240351	DUCK WHL FZ RTC CLASS 1 0	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050058240491	BEEF RIB PRIMAL ITEM NO 1	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050058240511	CHIX WHL FZ BRO/FRY GR A	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050058240511	OYSTERS SHUCKED EAST/GULF	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050061600501	FRANKFURTERS FROZEN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050065584101	BEEF LIVER SLICED FROZEN	.	.	X	.	X	.	X	X	.	.	X	X	X	X	.	X	X	.	.	.
89050068266431	HAM SECTIONED & FORMED, S	.	.	X	X	.	.	X	X	.	.	X	X	.	.	.	.	.	.	.	.
89050068268161	PICKLE AND PIMENTO LOAF F	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050075364261	FRESH HAM, BONELESS(ROAST)	X	X	X	X	.	.	.	.	X	X	.	.	.	.	X	.	.	.	X	.
89050075365031	PORK, DICED, FROZEN	.	X	.	.	.	.	X	X	X	X	.	.	.	.	X	.	.	X	X	.
89050075365681	PORK, LOIN, BONELESS, FRO	.	X	.	.	.	.	X	X	X	.	.	.	.	.	X	.	.	X	X	.
89050075365691	PORK CHOPS, BONELESS, FZ,	X	.	.	X	.	.	.	.	X	.	.	.	.	.	X	.	.	.	X	.
89050078227531	FISH PORTIONS FZ FLOUNDER	.	.	.	X	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.
89050078231901	FRANKFURTERS, FROZEN,	.	X	.	.	.	.	X	X	X	X	.	.	.	.	.	.	.	X	X	.
89050092615991	LAMB LEG BNLS ROAST FROZE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050092664851	PORK SAUSAGE ROLL FROZEN	.	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050093547651	FISH PORTIONS FZ OCEAN PE	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050096023031	SHRIMP FZ RAW BRO DEV STY	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	X	.

SES(.15) LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE																PA	
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	FA	FB	FC		IA	IB
89050096521281	CHIX C/U F BRO/FRY W/O BN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A0250101	FRANKS ALLMEAT OMAYER 1LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A0250191	FRANKS ALL BEEF OMAYER 1L	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A0250301	SAUS SMOKYLINX OMAYER120Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A0251051	BRAUNSHWEIGER OMAYER 8 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A0252011	BEEF BOLOGNA RD 24-3/4LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A0252351	SALAMI COTTO OMAYER 8 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A0252571	SALAMI HARD OMAYER 8 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A0253361	HAM COOKED SLC OMAYER 60Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A0253421	BACON CANADIAN OMAYER 60Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A0253551	SLI BAC 12/11/ SARMP BW #1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A0255101	BACON SLED OMAYER 1LB MEL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A0255551	TNDRSWEET MORSELS OMAYER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A0840471	HAM PATTIES CHILL 12 OZ H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A0841131	HAM CND HOMEL 3 LB. EXL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A1080961	HAM CND 3 LB SWIFT PREMIU	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A1081021	HAM PEAR SHPE PREM SLB CH	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A1081211	HAM CND 4 LB SWIFT HOSTES	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A4350221	CHIX 1/2BROILR TASTYBIRD	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A4352711	WH GRILLERS 2LB W/O GIBS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A5770011	CHIX FRIED 32 OZ FZ BANQU	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J1850231	PK SAUS BROWN N SERVE 80Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J5002271	BACON SLED SWIFT PREM 1LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J5004061	HAM BNLS HLF CURE HOMEL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J5004801	PK SAUS WILLIAMSBURG 1 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J5006641	BOLOGNA ALL MEAT THICK SL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9500791	BOLOGNA KOLBASSE 12 OZ FZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9502391	SAUSAGE PATTIES 86S 8 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9509071	PK PICNIC SMOKHOUSE 4-6LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9512041	PK SAUS HOT GWALTNEY 1 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9515641	PK LOIN SMKD CKD 8-12LB S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9521051	BOLOGNA THKSLC SWIFT 1 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9533891	SMKD HAM DELI THIN SLI 30	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9535311	SPARERIBS TLP SWIFT INDIV	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9536411	FRANKFURTERS ALL BF 160Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9537881	SAUSAGE SMK OLD VA 1LB WI	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9539611	STEAK FLANK .95LB FZ TEMP	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9539811	PORK LOIN BLD'S SWIFT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9540111	SAUS LINKS BROWN SERVE BF	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9540131	PEPPERONI FLEX PK SCLD 3.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9540181	SAUSAGE LITTLE SIZZLERS H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9540201	FRANKS CORN DOGS 11 OZ FZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9540211	FRANKS TATER DOGS 10 OZ H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9540221	FRANKS BRND WRANGLERS 48/	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500L0710061	PK SAUSAGE LINKS 1LB DAIR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500L0710281	SAUSAGE DNR LINK JONES DA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500V0307851	PORK LOIN REG	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050103475471	BEEF STRIP LOIN STEAK	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050103475491	BEEF TOP SIRLOIN STEAK	X	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050105031901	BEEF PATTIE MIX (BULK) FR	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050105031921	BEEF PATTIES FROZEN, 3 OZ	X	.	.	X	.	.	.	.	.	.	.	.	X	X	X	.	.	.
890501V0309191	LAMB NEW ZEALAND LOIN FZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890501V0309211	LAMB NEW ZEALAND HOTEL RA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

SES(.15)

LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE										LA	LB	FA						
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB				EA	ED	EE	EF	FA	FB	FC
89150014309971	PEAS AND CARROTS FRZN CON	X	X			X	X	X		X		X		X	X			X	X	X
89150016061561	CAULIFLOWER FRZN 2 - 5 LB		X			X						X		X	X		X	X	X	
89150016250871	CARROTS FRZN SLICES SHALL		X					X						X		X				
89150016298781	BEANS GREEN FRZN ROUND FR	X	X				X											X	X	
89150019134611	ONION RINGS FRZN RAW BREA	X	X			X	X							X				X	X	
89150025237851	OKRA FRZN CUT 2 - 5 LB PG	X	X											X			X	X		
89150040460651	ASPARAGUS FRZ ALL GREEN C	X	X			X		X	X	X	X	X	X	X	X		X	X		
89150041126761	JUICE LEMON FRZ CONCENTRA							X						X						X
89150041126771	JUICE GRAPE FR CON TYPE 1				X		X			X	X	X				X				
89150041126781	JUICE GRAPEFRUIT FZ CON S				X		X			X	X	X					X			
89150043779431	JUICE ORANGE FZ CON UNSWE				X	X		X				X		X		X				
89150058240531	STRAWBERRIES FRZ SLICED O					X				X	X	X		X						
89150058416411	PEACHES FRZ HEAVY SYRUP O							X		X	X	X	X	X	X				X	
89150061602291	SQUASH FRZN SUMMER SLICE		X							X				X	X	X				
89150061648191	BEANS WAX FRZN ROUND CUT					X	X	X	X	X	X			X	X	X				
89150078235081	POTATOES WHT FZ FR FRIED	X	X		X		X	X	X	X	X						X	X		
89150092659361	GREENS MUSTARD FRZN CHOPP		X									X	X				X	X		
89150092659371	GREENS TURNIP FRZN CHOPPE		X							X				X	X			X	X	
89150093566201	VEGETABLES MIXED FRZN U.S										X			X	X	X		X	X	
891500A1190581	OKRA WHOLE 16 OZ. FRZ. WI		X											X		X		X	X	
891500A1190631	PEAS BLACK EYE 16 OZ FRZ W																			X
891500A1190861	BEANS GREEN FRENCH CUT 16																			X
891500A1190901	BEANS BABY LIMA 16OZ WINT																			X
891500A1191121	VEGETABLES MIXED 16 OZ FR																			X
891500A1191151	VEGETABLES STEW 20 OZ FRZ																			X
891500A1191311	CARROTS WHL BABY 16 OZ WI																			X
891500A1191561	CORN CUT 16 OZ. FROZEN W																			X
891500A1191571	COLLARD GREENS 16 OZ WINT		X																	X
891500A1191591	GREENS TURNIP CHOPPED 16Z																			X
891500A1191601	BROCCOLI, CUTS 16 OZ WINT																			X
891500A1191611	CAULIFLOWER FLORETS 16 OZ																			X
891500A1191661	BROCCOLI SPEARS 10 OZ FZ																			X
891500A1191811	GREEN PEAS 16 OZ FRZ WINT																			X
891500A1191871	BRUSSEL SPROUTS SM 16 OZ																			X
891500A2031561	SPINACH CHOPPED 10 OZ FRZ																			X
891500A2600051	JUICE ORANGE CONC 6 OZ MI																			X
891500A2600251	JUICE GRAPEFRUIT 6 OZ FZ		X																	X
891500A2600551	LEMONADE CONC 12 OZ FZ MI		X																	X
891500A2600811	LIMEADE CONC 6 OZ FZ MINU																			X
891500A4401171	CORN ON THE COB 4 EARS FZ		X																X	X
891500J9537021	MUSTARD GREENS CHOPPED 16																			X
892000A0090131	TURNOVER APPLE 12 1/2 OZ		X																X	X
892000A0391321	WAFFLES HOMEMADE 12 OZ DO																			X
892000A0790041	CAKE CR CHEESE LG 17 OZ S																		X	X
892000A0790401	ROLLS CARAMEL PECAN 10.5																			X
892000A0790421	CREAM PIES CHOC BAVARIAN																			X
892000A0790621	STRAWBERRY SHORTCAKE 21Z																			X
892000A0790641	BLACK FOREST CAKE 21 OZ S																			X
892000A0790721	CAKE POUND 10 3/4 OZ FZ S																			X
892000A2093051	CAKE SNO-BALL DEVILFOOD 3		X																	
892000A2093911	BREAD HOME PRIDE WHEAT WO		X																	
892000A2093921	BREAD WHITE RND TOP 22 OZ		X																	
892000A2094431	ROLLS HAMBURGER WHITE FRZ		X																	

SES(15) LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE																			
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB	FC	LA	LB	PA
892000A2094451	ROLLS HOT DOG WHITE 12/12	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A2094621	CHOC DILES 8 PKG 16 OZ HQ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A2095261	TWINKIE SWT/GOODS M/PAK H	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A3160051	PIE APPLE 26 OZ FRZ MRS S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A3161151	PIE APPLE GOL DELUXE 460Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A3161201	PIE DUTCH APPLE CRUMB 460	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A5160451	WAFFLES FRZ JUMBO 15 OZ A	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A5530281	ROLLS STEAK-UMM 6CT 13/6C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A5600111	MUFFIN ENGLISH FZ 12/24 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A5940201	BAGELS PLAIN 6 PER FZ LEN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A5940241	BAGELS UNION 12 OZ FZ 6CT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000L0990101	ROLLS FR BROWN&SEV 10Z PE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000L0990651	BREAD RYE SLCD SALTY PEPR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000L0990751	BREAD WHITE THIN SL 1LB P	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0477391	CNDY BUTTERFINGERS FMLY P	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0551001	CNDY MILK CHOC 1.50Z 6PK-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0551041	CNDY ALM MILK CHOC 1.05 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0551161	CNDY MR GOODBAR 24/6/1.65	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0552221	MLK CHOC KIT KAT CRSP WAF	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0552261	REESE MLK CHOC PNUT CPS 2	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0553591	CDY ROL 6PK 24PG/CS HERS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0691861	CNDY MILKY WAY BAR 1LB CH	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0691921	CNDY SNICKERS BAR 1LB CH	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0692161	CNDY 3 MUSKETEERS BAR 1LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A1370031	CNDY LOLLIPOPS 40Z SPANGL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A1762121	CNDY MILK CHOC PEANUTS 5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A1762141	CNDY MILK CHOC RAISINS 5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A1762161	CNDY MILK CHOC PEANUT CLS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090101	MACARONI AND CHEESE 7 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090181	CHKN PIES 24/8 OZ FRZ SWA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090241	TURX PIES MEAT 24/8 OZ FZ	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090361	TURX PIES 1LB DEEP DISH F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090631	DINNER BEEF TV 11 1/2 OZ	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090721	DINNER MEAT LOAF TV 10 3/	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090931	DNR PORK LOIN 11 1/4 OZ S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090981	DNR VEAL PARM TV 12 1/4 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0091201	SALISBURY STK W/CRINKL PO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0091401	DNR CHOPPED BEEF STK H/MA	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0091441	DNR BNLESS CHIX H/MAN 19	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0091471	DNRS STEAK SALISBURY 17	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0091741	FISH N CHIPS ENT 5 OZ 2CO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0091901	DNR FR/CHIX 15 3/4Z H/MAN	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0091911	DNR TURX 18 3/4Z HUNGRYMA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0390691	DESERT TOPPING OLD FASH O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A090481	BROCCOLI SPEARS/BTTR SCE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A1130451	TORTILLAS FLOUR 22 OZ ROS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A2760921	CREAMED CHIPPED BEEF 110Z	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A2761461	LASAGNA 21 OZ FRZ NO 1182	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A3000901	PIZZA SNK ASSTD. SAUS/PEP	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A3000961	PIZZA FLAT CHEESE 11.75 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A3001021	PIZZA FLAT SAUSAGE 12 OZ	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A3001091	PIZZA FLAT PEPPERONI 11.7	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A5160531	PIZZA DELUXE 9 OZ FZ CELE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

SES(. 15) LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE																			
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	FA	ED	EE	EF	FA	FB	FC	LA	LB	PA
894000A5160551	PIZZA SAUSAGE 22 OZ CELES	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A5160561	PIZZA DELUXE 23 1/2 OZ CE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
894000A5160571	PIZZA PEPPERONI 20 OZ CEL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
894000L0510421	CREAM REAL TOPPING 7FL OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
89450061600781	MARGARINE PRINTS 1LB OR 1	.	X	.	X	X	.	X	X	.	.	.	.	X	X	.	X	.	X	.	.
89450061600911	SHORTENING COMPOUND GENER	.	.	.	X	X	.	X	.	.	.	.	.	X	X	.	X	.	.	.	.
89450061600921	SHORTENING COMPOUND, BAKE	.	.	.	X	X	.	X	.	.	.	.	X	.	X	.	X	.	.	.	.
89450092664911	MARGARINE RTS PATTIES 90	X	X	.	.	X	.	X	X	.	.	.	.	X	.	.	.	X	.	.	.
894500A0110061	MARGARINE COL SOFT TUB 1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
894500A1320281	MARG 2-8OZ PLAS.CUPS SOFT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
894500A1320471	MARG QTRS COL CH #5020 PA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
894500A1320911	OLEOMARGARINE SQUEEZE PAR	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
895000A0257001	PICKLES KOSHER CH 1QT OSC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
895000A0257051	PICKLES KOSHER HALVES 1QT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	X
895000J9515681	DIP AVOCADO 7 3/4 OZ FROZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
896000A4550381	MILK SHAKE CHOC FROSTED 7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.

LAST LT LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE																			
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB	FC	LA	LB	P/A
89050008257331	FISH PORTIONS FZ COD/HADD	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
89050012633931	HAM CANNED CHLD PEAR SHAP	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
89050012634161	CHIX BRO/FRY/WHL FZ RTC 3	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050012640621	PORK, BOSTON SHOULDER BUTT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050012687241	PORK, TENDERLOIN, SPECIAL F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
89050012784741	HADDOK FZ FILLETS SKIN	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050013358861	BEEF KNUCKLE SPECIAL (OVE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
89050013358871	BEEF SHOULDER CLOD (POT R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050013358881	BEEF ROUND RBS OFF BNLS I	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
89050013358891	BEEF FOR SWISSING, BRAISI	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	X	.
89050014913551	PORK, HOCKS, SHOULDER, FZ CU	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
89050016404851	PERCH FZ FILLETS SKIN ON	.	X	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.	X	.
89050016404901	FLOUNDER FZ FILLET SKNLS	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	X	.
89050017750171	BEEF FOR STEWING	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050029913301	SALAMI COOKED FROZEN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
89050049172081	CHIX QTRD F Z BRO/FRY TYP	.	X	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050049284081	FISH STICKS FZ OCEAN PERC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.
89050058240351	DUCK WHL FZ RTC CLASS 1 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89050058240391	SHRIMP FZ RAW PEELED DEVE	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050061600501	FRANKFURTERS FROZEN	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89050065584101	BEEF LIVER SLICED FROZEN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050068266431	HAM SECTIONED & FORMED, S	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050075364261	FRESH HAM, BONELESS (ROAST)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89050075365031	PORK, DICED, FROZEN	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050075365691	PORK CHOPS, BONELESS, FZ,	.	.	.	.	X	.	.	.	.	.	.	X	.	.	.	.	.	.	X	.
89050092664851	PORK SAUSAGE ROLL FROZEN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050093547651	FISH PORTIONS FZ OCEAN PE	.	.	.	.	.	.	X	.	.	.	.	.	.	.	X	.	.	.	.	.
89050096521281	CHIX C/U F BRO/FRY W/O BN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X	.
890500A0250191	FRANKS ALL BEEF OMAVER 1L	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A0250761	PK SAUS ROLL P/R 36/1# FZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A0251051	BRAUNSHWEIGER OMAVER 8 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A0251331	BOLOGNA SLCD OMAVER 12 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A0251801	PKLE & PIMNTO OMAVER 8 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A0252271	PORK LOIN CONTRM7 1/2-10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A0252571	SALAMI HARD OMAVER 8 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A0252651	SALAMI 12-1/2 LB FZ OSCAR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A0252801	LUNCH MEAT PORK MAYER 8OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A0252901	HAM CHOPPED SLD PK 1/2LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A0253361	HAM COOKED SLC OMAVER 6OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A0253421	BACON CANADIAN OMAVER 6OZ	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A0253471	HAM STEAKS OSCAR MAYER 8O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A0255101	BACON SLCD OMAVER 1LB MEL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A0256051	PORK CHOPS OMAVER 1 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A0840471	HAM PATTIES CHILL 12 OZ H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A5771261	CHIX FRIED 6O OZ #11599 B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500J5002271	BACON SLCD SWIFT PREM 1LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500J5004731	BACON THKSLC GWALTNEY 1LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500J5004801	PK SAUS WILLIAMSBURG 1 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500J9502071	BEEF LIVER TENDER SLCD 1L	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500J9514181	PK LOIN 8-12LB SMITHFIELD	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500J9533911	CORNEED BEEF DEL THIN PREM	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500J9539651	BEEF STEW MEAT 1LB FZ TEM	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9540121	HAM RED PEPPERED 4 OZ FZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.

LAST LT	STOCK NUMBER	ITEM NOMENCLATURE	AA	AB	AC	RA	BB	BC	CA	CC	DA	DB	EA	ED	EE	FA	FB	FC	LA	LB	PA
	890500J9540231	FRANKS GREAT DOGS 48/1LB																			
	890500L0060861	CHIX LIVERS BX PK 1LB ROC																			
	89050105031901	BEEF PATTIE MIX (BULK) FR							X												
	89050105031921	BEEF PATTIES FROZEN, 3 OZ							X												
	89050105030956	RAINBOW TROUTS FRZ 12 OZ																			
	89050105030957	PORK TENDERLOIN FRZ HAVER																			
	89050105030958	PORK LOIN BONELESS																			
	89050105030959	PORK LOIN CHOPS																			
	89100008262051	CHEESE AMER PROC PAST 5 L													X						
	89100012584401	CHEESE CHEDDAR NAT FRS MED																			
	89100061600381	BUTTER SLT GRA 1LB PRNT O													X						
	89100065609931	CHEESE AMER PROC SLICES I																			
	89100078231951	BUTTER SALTED 90 PAT PER													X						
	89100092699621	BUTTER SLT GRA AA OR A 90																			
	891000A1321841	CHEESE NAT CHUNK REG SWIS						X													
	891000A1324101	CHEESE STICKS MELLOW COL																			
	891000A1324201	CHEESE STICK SHP 10 OZ CR																			
	891000A1324301	CHEESE STICK X-SHARP COL																			
	891000A1327751	CHEESE CHEDDAR 12 OZ CH K																			
	891000A1328051	SQUEEZE A SNAK BACON 6 OZ																			
	891000A4550101	CHEESE AMERICAN SLCD 12 O																			
	891000A4552311	ICE CREAM VANILLA 1/2 GAL																			
	891000A4552571	CHEESE SLCD AMERICAN 4LB																			
	89100107256531	BUTTER CGC SALTED, 4 PRIN																			
	89150004419181	POTATOES WHITE FROZEN SHR																			
	89150008051791	POTATOES WHT FZ SHOESTRIN																			
	89150012779841	BEANS LIMA FRZ 2 - 5 LB P																			
	89150014309831	SUCCOTASH FRZN U.S. GRADE																			
	89150016061561	CAULIFLOWER FRZN 2 - 5 LB																			
	89150019134611	ONION RINGS FRZN RAW BREA																			
	89150025237851	OKRA FRZN CUT 2 - 5 LB PG																			
	89150040460651	ASPARAGUS FRZ ALL GREEN C																			
	89150041126761	JUICE LEMON FRZ CONCENTRA																			
	89150041126771	JUICE GRAPE FRZ CON TYPE 1																			
	89150043779431	JUICE ORANGE FRZ CON UNSWE																			
	89150058240531	STRAWBERRIES FRZ SLICED O																			
	89150058416411	PEACHES FRZ HEAVY SYRUP O																			
	89150061648191	BEANS WAX FRZN ROUND CUT																			
	89150078235081	POTATOES WHT FZ FR FRIED																			
	89150092659371	GREENS TURNIP FRZN CHOPPE																			
	891500A0454861	GREEN PEAS 16 OZ STOKELYS																			
	891500A2030231	MELON BALLS MIXED 16 OZ F																			
	891500A2600501	LEMONADE CONC 48/6 OZ MIN																			
	891500A4401601	POTATOES CRINKLE CUT 5LB																			
	891500A4820021	APPLE JUICE FZ 12 OZ CN S																			
	891500A5252321	ONION RINGS 16 OZ FZ SEA																			
	892000A0090131	TURNOVER APPLE 12 1/2 OZ																			
	892000A0790641	BLACK FOREST CAKE 21 OZ S																			
	892000A0790721	CAKE POUND 10 3/4 OZ FZ S																			
	892000A2092971	CUPCAKE ORANGE FILLED 3 O																			
	892000A2093051	CAKE SNO-BALL DEVILFOOD 3																			
	892000A2095261	TWINKIE SWT/GOODS M/PAK H																			
	892000A3142511	WHITE BREAD DOUGH 2/1LB L																			

LAST LT	LEADTIME	STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE																		
				AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	FA	ED	EE	EF	FA	FB	FC	LA	LB	PA
		892000A5160451	WAFLES FRZ JUMBO 15 OZ A	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		892000A5160461	PANCAKE BATTER FRZ 16 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		892000A5600011	MUFFINS ENGLISH 8 OZ FZ T	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		892500A0475211	CNDY BABY RUTH 16OZ FUN S	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		892500A0552261	REESE MLK CHOC PNUT CPS 2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		892500A1762261	CNDY CHOC COVERED BRIDGE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		894000A0090181	CHKN PIES 24/8 OZ FRZ SWA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		894000A0090211	BEEF PIES MEAT 24/8 OZ FR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		894000A0090301	HUNGRY MAN CHIX PIE 1 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		894000A0090331	BEEF PIES 1LB DEEP DISH F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		894000A0090631	DINNER BEEF TV 11 1/2 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		894000A0090701	CHKN FRIED WHITE PORTION	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		894000A0090721	DINNER MEAT LOAF TV 10 3/	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		894000A0090801	DINNER TURX TV 4 COMPART	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		894000A0091441	DNR BNLESS CHIX H/MAN 19	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		894000A0091471	DNWRS STEAK SALISBURY 17	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		894000A0091651	BKFT PANCKS W/LINK SAUG	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		894000A0091901	DNR FR/CHIX 15 3/4Z H/MAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		894000A0091911	DNR TURX 18 3/4Z HUNGRYMA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		894000A3002351	PIZZA DEL COMB SAUS/PEP 2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		894000A5251721	DINNER SEAFOOD 9 OZ FRZ S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		894500G1600781	MARGARINE PRINTS 1LB OR 1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		894500G1600911	SHORTENING COMPOUND GENER	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A0257051	PICKLES KOSHER HALVES 1QT	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

LAST YEAR	STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE																PA		
			AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB		FC	LA	IB
	89050012633931	HAM CANNED CHLD PEAR SHAP	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	89050012687431	PORK, SPARERIBS, FROZEN	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	89050013420151	TURKEY BNLS RAW FZ MOLDED	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
	89050013420161	TURX FZ RTC WHL GR A TOM	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
	89050013984811	VEAL STEAK FLAKED FORMED	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	89050016404851	PERCH FZ FILLETS SKIN ON	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
	89050016404901	FLOUNDER FZ FILLET SKNLS	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	89050026372741	TKY BNLS RAW FZ TYPE I OR	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	X	.	X
	89050040395921	BACON SLICED (BULK), FROZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
	89050054373331	TURX WHL FZ RTC GR A TOMS	X	X	.	X	.	.	X	.	.	.	.	.	.	.	.	.	.	.	X
	89050058213461	BOLOGNA, FROZEN, BEEF AND	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
	89050058240391	SHRIMP FZ RAW PEELED DEVE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	89050078227531	FISH PORTIONS FZ FLOUNDER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
	89050078231901	FRANKFURTERS, FROZEN,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
	89050093547651	FISH PORTIONS FZ OCEAN PE	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
	89050096521281	CHIX C/U F BRO/FRY W/O BN	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	890500A0253551	SLI BAC 12/1# SARNP BW #1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
	890500J1850231	PK SAUS BROWN N SERVE 80Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
	890500J5002051	BACON SLCD GWALTNEY 1 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
	890500J5002271	BACON SLCD SWIFT PREM 1LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
	890500J5004061	HAM BNLS HLF CURE HORMEL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
	890500J5004821	HAM SMKD FULLY CKD 10-14L	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
	890500J9521841	HAM UNCKD PEPCOAT10-14LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
	890500J9522671	FRANKS SKNLS 160Z SWIFT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
	890500J9537861	HAM HOCKS SMKD LAYER PK D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
	890500J9540111	SAUS LINKS BROWN&SERVE BF	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
	890500J9540181	SAUSAGE LITTLE SIZZLERS H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
	89050105031901	BEEF PATTIE MIX (BULK) FR	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	89050105031921	BEEF PATTIES FROZEN, 3 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
	89100004332001	EGGS SHELL LARGE CONS GR	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	89100061600381	BUTTER SLT GRA 1LB PRNT O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	891000A1321551	CHEESE GRATED PARMESAN 8	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
	891000A1328751	CHEESE MONTEREY NAT 12 OZ	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
	89150012908251	BROCCOLI FRZN SPEARS 6 IN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	89150014309831	SUCCOTASH FRZN U.S. GRADE	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	89150041126771	JUICE GRAPE FR CON TYPE 1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	89150041126781	JUICE GRAPEFRUIT FZ CON S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	89150043779431	JUICE ORANGE FZ CON UNSWE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	89150058240531	STRAWBERRIES FRZ SLICED O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
	89150092659361	GREENS MUSTARD FRZN CHOPP	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	89150092659371	GREENS TURNIP FRZN CHOPPE	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	891500A1190971	BEANS BUTTER SPECKLED 16Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	891500A1191571	COLLARD GREENS 16 OZ WINT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
	891500A4820021	APPLE JUICE FZ 12 OZ CN S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
	892000A0391201	PIE SHL PSTRY 9 IN 5 PER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
	892000A2095261	TWINKIE SWT/GOODS M/PAK H	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	892000A3160051	PIE APPLE 26 OZ FRZ MRS S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	892000A3160601	PIE PECAN 24 OZ FRZ MRS S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	892000A5160451	WAFFLES FRZ JUMBO 15 OZ A	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
	894000A0990481	BROCCOLI SPEARS/BTR SCE	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
	894000A1130451	TORTILLAS FLOUR 22 OZ ROS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
	894000A5160551	PIZZA SAUSAGE 22 OZ CELES	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	894000A5160571	PIZZA PEPPERONI 20 OZ CEL	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

LAST YEAR	LEADTIME	STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE																		
				AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB	FC	IA	IB	PA
		89450061600911	SHORTENING COMPOUND GENER	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89450040111311	MARGARINE COL 1/4'S LB HO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
		894500A1320911	OLEOMARGARINE SQUEEZE PAR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.

ARI LAG	LEADTIME	STOCK NUMBER	ITEM NOMENCLATURE	AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB	FC	LA	LB	PA
		89050004418541	PIGS FEET, FRONT, FROZEN																				
		89050012633931	HAM CANNED CHLD PEAR SHAP																				
		89050012634161	CHIX BRO/FRY/WHL FZ RTC 3																				
		89050012687431	PORK, SPARERIBS, FROZEN																				
		89050012784741	HADDOCK FZ FILLETS SKIN																				
		89050013420151	TURKEY BNLS RAW FZ MOLDED																				
		89050013984811	VEAL STEAK FLAKED FORMED																				
		89050017750171	BEEF FOR STEWING																				
		89050040395921	BACON SLICED (BULK), FROZ																				
		89050041046711	BEEF ROUND R&S OFF ITEM N																				
		89050054373331	TURX WHL FZ RTC GR A TOMS																				
		89050058213461	BOLOGNA, FROZEN, BEEF AND																				
		89050058240351	DUCK WHL FZ RTC CLASS 1 O																				
		89050058240391	SHRIMP FZ RAW PEELED DEVE																				
		89050058432121	OYSTERS SHUCKED EAST/GULF																				
		89050068266431	HAM SECTIONED & FORMED, S																				
		89050075365031	PORK DICED, FROZEN																				
		89050075365691	PORK CHOPS, BONELESS, FZ,																				
		89050078231901	FRANKFURTERS, FROZEN,																				
		89050093547651	FISH PORTIONS FZ OCEAN PE																				
		89050096023031	SHRIMP FZ RAW BRD DEV STY																				
		89050096521281	CHIX C/U F BRO/FRY W/O BN																				
		890500A0250301	SAUS SMOKYLIN K OMAYER120Z																				
		890500A0250761	PK SAUS ROLL P/R 36/1# FZ																				
		890500A0251801	PKLE & PINWTO OMAYER 8 OZ																				
		890500A0252351	SALAMI COTTO OMAYER 8 OZ																				
		890500A0252801	LUNCH MEAT PORK MAYER 8OZ																				
		890500A0253361	HAM COOKED SLC OMAYER 6OZ																				
		890500A0253421	BACON CANADIAN OMAYER 6OZ																				
		890500A0253471	HAM STEAKS OSCAR MAYER 8O																				
		890500A1081211	HAM CND 4 LB SWIFT HOSTES																				
		890500A5771261	CHIX FRIED 6O OZ #11599 B																				
		890500J5002051	BACON SLC D GWALTNEY 1 LB																				
		890500J5004731	BACON THKSLC GWALTNEY 1LB																				
		890500J5004821	HAM SMKD FULLY CKD 10-14L																				
		890500J5006161	BOLOGNA SLC D GWALTNEY 1LB																				
		890500J9502071	BEEF LIVER TENDER SLC D 1L																				
		890500J9514181	PK LOIN 8-12LB SMITHFIELD																				
		890500J9520681	FRANKFURTERS ALLMEAT 1LB																				
		890500J9522671	FRANKS SKNLS 16OZ SWIFT																				
		890500J9533891	SMKD HAM DELI THIN SLI 3O																				
		890500J9535311	SPARERIBS TLP SWIFT INDIV																				
		890500J9539461	ROAST BNLS CHUCK 3.0LB TE																				
		890500J9539571	STEAK T-BONE .75LB FZ TEM																				
		890500J9539641	ROAST RUMP BNLS 3.5LB FZ																				
		890500J9539741	BEEF GROUND 1LB FZ TEMPLE																				
		890500J9540211	FRANKS TATER DOGS 10 OZ H																				
		890500J9540251	FAT BACK 1 1/4 LB BIO-VAC																				
		890500V0307861	PORK SPARERIBS 1 1/2-5LBS																				
		890500V0307871	PORK SPARERIBS BB 1-2LB																				
		89050103475471	BEEF STRIP LOIN STEAK																				
		89050103475491	BEEF TOP SIRLOIN STEAK																				
		89050105031901	BEEF PATTIE MIX (BULK) FR																				

AR1 LAG LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE																			
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB	FC	IA	IR	PA
89050105031921	BEEF PATTIES FROZEN, 3 OZ																				
89100012584401	CHEESE CHEDR NAT FRS MED																				
89100078231951	BUTTER SALTED 90 PAT PER																				
891000A1320451	CHEESE AMER SLCD RIB CH 3																				
891000A1321951	CHEESE SPREAD VELVEETA 2L																				
891000A1322431	CHEESE SPREAD 12S 1/2LB B																				
891000A1323201	CHEESE WHIP/ONION 4 OZ KR																				
891000A1324301	CHEESE STICK X-SHARP COL																				
891000A1326351	CHEESE PROVOLONE SLCD 8 O																				
891000A1326501	CHEESE MOZZARELLA SLCD 80																				
891000A5550011	BUTTER SALT QTRS 36/1LB L																				
891000L0510201	CREAM STERILIZED STABIL W																				
89100107256531	BUTTER CCC SALTED, 4 PRIN																				
89150012780181	CORN FRZN GOLDEN WHOLE GR																				
89150014309111	BLUEBERRIES FZ W/O PACKIN																				
89150014309971	PEAS AND CARROTS FRZN COM																				
89150016250871	CARROTS FRZN SLICES SMALL																				
89150025237851	OKRA FRZN CUT 2 - 5 LB PG																				
891500A1126781	JUICE GRAPEFRUIT FZ CON S																				
89150058240531	STRAWBERRIES FRZ SLICED O																				
89150058416411	PEACHES FRZ HEAVY SYRUP O																				
89150092659361	GREENS MUSTARD FRZN CHOPP																				
891500A1190631	PEAS BLACKKEYE 16 OZ FRZ W																				
891500A1191561	CORN CUT 16 OZ, FROZEN W																				
891500A2031561	SPINACH CHOPPED 10 OZ FRZ																				
891500A2600101	JUICE ORANGE CONC 12 OZ M																				
891500A2600121	JUICE ORANGE CONC 16 OZ F																				
891500A2600501	LEMONADE CONC 48/6 OZ MIN																				
891500A2600551	LEMONADE CONC 12 OZ FZ MI																				
891500A5300201	JUICE GRAPE CONC 12 OZ FZ																				
892000A0391321	WAFFLES HOMEMADE 12 OZ DO																				
892000A0790721	CAKE POUND 10 3/4 OZ FZ S																				
892000A0793341	CAKE LAYER WALNUT 18 OZ F																				
892000A3142511	WHITE BREAD DOUGH 2/1LB L																				
892000A3161201	PIE DUTCH APPLE CRUMB 460																				
892000A5940201	BAGELS PLAIN 6 PER FZ LEN																				
892000A5940241	BAGELS ONION 12 OZ FZ GCT																				
892000L0990101	ROLLS FR BROWN&SEV 10Z PE																				
892500A0551991	CHIPS MLK CHOC 11.50 OZ C																				
892500A0692161	CNDY 3 MUSKETEERS BAR 1LB																				
89400078228271	TOPPING DESSERT AND BAKER																				
894000A0090301	HUNGRY MAN CHIX PIE 1 LB																				
894000A0090761	DNR STEAK SWISS 10 OZ FZ																				
894000A0090931	DNR PORK LOIN 11 1/4 OZ S																				
894000A0390691	DESERT TOPPING OLD FASH Q																				
894000A0990281	PEAS MED SWT BTR SCE 10 O																				
894000A2761461	LASAGNA 21 OZ FRZ NO 1182																				
894000A5160541	PIZZA CHEESE 19 OZ CELEST																				
894000A5770211	TURX SLCD W/GIBLET GRAVY																				
894000A5770591	DNR FRIED CHIX FZ 11 OZ B																				
89450061600781	MARGARINE PRINTS 1LB OR 1																				
89450093568541	MARGARINE PATTIES 90 PER																				
894500A0110061	MARGARINE COL SOFT TUB 1																				

ARI LAG	LEADTIME	STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE																		
				AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB	FC	IA	IB	PA
		894500A0472211	MARG CORN OIL 1/4LB PRINT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
		894500A1320281	MARG 2-80Z PLAS.CUPS SOFT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
		894500A1320471	MARG QTRS CBL CH #5020 PA	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000J9540351	DIP AVOCADO GUACAMOLE HOT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.

12-MO AVG PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE												FA	FB	FC	LA	LB	PA
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED							EE	EF
89050004418541	PIGS FEET, FRONT, FROZEN																		
89050008257331	FISH PORTIONS FZ COD/HADD																		
89050011823221	PEPPERONI FROZEN																		
89050012633931	HAM CANNED CHLD PEAR SHAP																		
89050012634161	CHIX BRO/FRY/WHL FZ RTC 3																		
89050012640621	PORK, BOSTON SHOULDER BUTT																		
89050012687241	PORK, TENDERLOIN, SPECIAL, F																		
89050012687431	PORK, SPARE RIBS, FROZEN																		
89050012784721	COD FZ FILLETS SKNLS 3-24																		
89050012784741	HADDUCK FZ FILLETS SKIN																		
89050013358861	BEEF KNUCKLE SPECIAL (OVE																		
89050013358871	BEEF SHOULDER CLOD (POT R																		
89050013358881	BEEF ROUND RAS OFF BNLS I																		
89050013358891	BEEF FOR SWISSING, BRAISI																		
89050013871591	CHIX FZ BRO/FRY C/U RTC W																		
89050013871611	CHIX FZ WHL RTC BRO/FRY G																		
89050013984811	VEAL STEAK FLAKED FORMED																		
89050016404851	PERCH FZ FILLETS SKIN ON																		
89050016404901	FLOUNDER FZ FILLET SKNLS																		
89050016468741	SCALLOPS FZ SEA FED PP-S-																		
89050017750171	BEEF FOR STEWING																		
89050020959231	CHITTERLINGS RAW FROZEN																		
89050026272741	TKY BNLS RAW FZ TYPE I OR																		
89050027336221	4.1 RABBIT FZ CUT-UP GR A																		
89050029913161	CORNEED BEEF FROZEN																		
89050029913301	SALAMI COOKED FROZEN																		
89050040395921	BACON SLICED (BULK), FROZ																		
89050041046711	BEEF ROUND RAS OFF ITEM N																		
89050041943201	BACON CANADIAN STYLE FZ U																		
89050046518961	TKY BNLS RAW CLAUD FSO																		
89050049172081	CHIX QTRD F Z BRO/FRY TYP																		
89050049284071	FISH STICKS FZ COD/HADDCC																		
89050049284081	FISH STICKS FZ OCEAN PERC																		
89050049334561	FISH STICKS FZ FLOUNDER R																		
89050054373321	TKY WHL FZ RTC GR A TYPE																		
89050058213231	BEEF, TENDERLOIN(FULL), FZ																		
89050058213451	PORK LOIN BLDELESS, 10-19																		
89050058213461	BOLDGNA, FROZEN, BEEF AND																		
89050058240351	DUCK WHL FZ RTC CLASS 1 O																		
89050058240391	SHRIMP FZ RAW PEELED DEVE																		
89050058240491	BEEF RIB PRIMAL ITEM NO 1																		
89050058240511	CHIX WHL FZ BRO/FRY GR A																		
89050058432121	OYSTERS SHUCKED EAST/GULF																		
89050061600501	FRANKFURTERS FROZEN																		
89050065584101	BEEF LIVER SLICED FROZEN																		
89050068266431	HAM SECTIONED & FORMED, S																		
89050068268161	PICKLE AND PIMENTO LOAF F																		
89050075364261	FRESH HAM, BONELESS(ROAST)																		
89050075365031	PORK, DICED, FROZEN																		
89050075365681	PORK, LOIN, BONELESS, FRO																		
89050075365691	PORK CHOPS, BONELESS, FZ,																		
89050078227531	FISH PORTIONS FZ FLOUNDER																		
89050078231901	FRANKFURTERS, FROZEN,																		

12-MO AVG PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE																			PA
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB	FC	LA	LB	
890500092615991	LAMB LEG BNLS ROAST FROZE	X																			
890500093547651	FISH PORTIONS FZ OCEAN PE		X	X	X					X	X				X	X	X		X		
890500096023031	SHRIMP FZ RAW BRO DEV STY		X	X	X	X				X					X	X	X				
890500096521281	CHIX C/U F BRO/FRY W/O BN	X	X	X	X	X				X	X									X	
89050009250191	FRANKS ALL BEEF OMAYER 1L																			X	
89050009250301	SAUS SMOKYLINK OMAYER120Z		X																		
89050009251331	BOLOGNA SLCD OMAYER 12 OZ		X																		
89050009252011	BEEF 80' OGNA RD 24-3/4LB		X															X			
89050009252571	SALAMI HARD OMAYER 8 OZ																	X			
89050009252901	HAM CHOPPED SLD PK 1/2LB		X																		
89050009253361	HAM COOKED SLC OMAYER 60Z		X																		
89050009253421	BACON CANADIAN OMAYER 60Z		X																		
89050009255101	BACON SCLD OMAYER 1LB MEL																			X	
89050009255551	TNORSWEET MORSELS OMAYER																			X	
89050009256051	PORK CHOPS OMAYER 1 LB		X																		
89050009256071	HAM PATTIES CHILL 12 OZ H																			X	
89050009256111	HAM CND HORMEL 3 LB. EXL																			X	
89050009256131	HAM CND 3 LB SWIFT PREMIU		X																		
89050009256151	HAM PEAR SHPE PREM 5LB CH																			X	
89050009256171	CHIX 1/2BROILR TASTYBIRD																			X	
89050009256191	CHIX FRIED 32 OZ FZ BANOU		X																		
89050009256211	CHIX FRIED 60 OZ #11599 B																			X	
89050009256231	PK SAUS BROWN N SERVE 80Z		X																	X	
89050009256251	BACON SCLD GWALTNEY 1 LB																			X	
89050009256271	BACON SCLD SWIFT PREM 1LB		X																	X	
89050009256291	HAM BNLS HLF CURE HORMEL		X																	X	
89050009256311	BACON THKSLC GWALTNEY 1LB																			X	
89050009256331	PK SAUS WILLIAMSBURG 1 LB																			X	
89050009256351	HAM SMKD FULLY CKD 10-14L																			X	
89050009256371	BOLOGNA SCLD GWALTNEY 1LB																			X	
89050009256391	BOLOGNA ALL MEAT THICK SL																			X	
89050009256411	BF CORNED OVENROAST SWIFT																			X	
89050009256431	SAUSAGE PATTIES 8S 8 OZ		X																	X	
89050009256451	PK PICNIC SMOKHOUSE 4-6LB																			X	
89050009256471	PK SAUS HOT GWALTNEY 1 LB																			X	
89050009256491	PK LOIN 8-12LB SMITHFIELD																			X	
89050009256511	PK LOIN SMKD CKD 8-12LB S																			X	
89050009256531	FRANKFURTERS ALLMEAT 1LB																			X	
89050009256551	BOLOGNA THKSLC SWIFT 1 LB																			X	
89050009256571	FRANKS SKNLS 160Z SWIFT																			X	
89050009256591	OVN ROAST CORN BF GAR/SP		X																	X	
89050009256611	SPARERIBS TLP SWIFT INDIV																			X	
89050009256631	FRANKFURTERS ALL BF 160Z																			X	
89050009256651	HAM HOCKS LAYER PK 8-10Z																			X	
89050009256671	SAUSAGE SMK OLD VA 1LB W1																			X	
89050009256691	BACON SIZZLEAN SWIFT		X																	X	
89050009256711	STEAK FLANK .95LB FZ TEMP		X																	X	
89050009256731	BEEF HAMBURGER PAT 4 OZ S		X																	X	
89050009256751	SAUS LINKS BROWN&SERVE BF																			X	
89050009256771	PEPPERONI FLEX PK SCLD 3.																			X	
89050009256791	SAUSAGE LITTLE SIZZLERS H																			X	
89050009256811	FRANKS CORN DOGS 11 OZ FZ		X																	X	
89050009256831	FRANKS TATER DOGS 10 OZ H																			X	

12 MO AVG PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE																LA	IB	P/A
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB				FC
890500J9540221	FRANKS BRND WRANGLERS 48/	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
890500J9540231	FRANKS GREAT DOGS 48/1LB	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
890500L0710061	PK SAUSAGE LINKS 1LB DAIR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
890500L0710281	SAUSAGE DMR LINK JONES DA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
89050103475471	BEEF STRIP LOIN STEAK	X	.	.	.	.	.	.	.	X	.	.	X	.	.	.	.	.	.	.
89050103475481	BEEF RIBEYE ROLL STEAK	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.
89050103475491	BEEF TOP SIRLOIN STEAK	X	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.
89050105031901	BEEF PATTIE MIX (BULK) FR	.	X	.	.	.	.	.	.	X	.	.	X	.	.	.	.	X	.	.
89050105031921	BEEF PATTIES FROZEN, 3 OZ	.	X	.	.	.	.	.	.	X	.	.	X	.	.	.	.	X	.	.
890501V0309181	LAMB NEW ZEALAND SHLDR FR	.	.	.	.	.	.	.	.	.	X	.	X	.	.	.	.	X	.	.
890501V0309201	LAMB NEW ZEALAND FZ FULL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
890501V0309211	LAMB NEW ZEALAND HOTEL RA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
89100004332001	EGGS SHELL LARGE CONS GR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
89100008262051	CHEESE AMER PROC PAST 5 L	X	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.
89100012584401	CHEESE CHEDR NAT FRS MED	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	X	.	.
89100012782521	EGGS WHOLE FZ BAKERY TYPE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.	X	.	.
89100014904931	CHEESE FOOD AMER PROC 3-5	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.	X	.	.
89100058213421	CHEESE PROVOLONE NAT SMKD	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100058464311	CHEESE SWISS AND AMERICAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100058464341	CHEESE SWISS NATURAL SAND	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100061600381	BUTTER SLT GRA 1LB PRNT O	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.
89100061600511	EGGS WHOLE FZ TABLE TYPE	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100065609931	CHEESE AMER PROC SLICES I	X	.	.	.	.	.	.	.	X	.	.	.	X	.	.	.	.	X	.
89100078228371	CHEESE MOZZARELLA NAT TYP	.	.	.	.	.	.	.	.	X	.	.	.	X	.	.	.	.	X	.
89100078231911	CHEESE CHED. NAT DONATED R	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.
89100078231931	BUTTER SALTED DONATED 1LB	X	.	.	.	.	.	.	.	X	.	.	.	X	.	.	.	X	.	.
89100078231951	BUTTER SALTED 90 PAT PER	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.
89100092699621	BUTTER SLT GRA AA OR A 90	X	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.	X	.	.
89100093567091	BUTTER SALTED 90 RTS PAT	.	X	.	.	.	.	.	.	X	.	.	.	.	.	.	.	X	.	.
89100093567761	BUTTER SLT GRA A 90 PAT P	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
891000A1320451	CHEESE AMER SLCD RIB CH 3	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
891000A1321551	CHEESE GRATED PARMESAN 8	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1321721	CHEESE GRATED PARMESAN 3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1321951	CHEESE SPREAD VELVEETA 2L	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1322251	CHEESE PHILA PLAIN CREAM	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
891000A1322411	CHEESE PHILA PLAIN CREAM	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
891000A1322431	CHEESE SPREAD 12S 1/2LB 8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
891000A1323151	CHEESE WHIP/CREAM CHIVE 4	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
891000A1323201	CHEESE WHIP/ONION 4 OZ KR	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
891000A1324701	CHEESE CHED COL HLF MOON	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
891000A1325151	CHEESE MOZZ SHRED 40Z KRA	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1325301	CHEESE BLUE 4 OZ KRAFT	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1325801	CHEESE SLCD SWISS REG 8 O	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
891000A1326351	CHEESE PROVOLONE SLCD 8 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
891000A1326501	CHEESE MOZZARELLA SLCD 80	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1327751	CHEESE CHEDDAR 12 OZ CH K	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1328061	SQUEEZE A SNAK JALAPENO 6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1328751	CHEESE MONTEREY NAT 12 OZ	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
891000A1329041	CHEESE SPREAD WHIZ 8 OZ C	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
891000A4552311	ICE CREAM VANILLA 1/2 GAL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A4552571	CHEESE SLCD AMERICAN 4LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
891000A5550011	BUTTER SALT QTRS 36/1LB L	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100107256531	BUTTER CCC SALTED, 4 PRIN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

12-MO AVG PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	AA	AB	AC	BA	BB	BC	WAREHOUSE				DB	EA	ED	EE	EF	FA	FB	FC	LA	LB	PA
								CA	CC	DA												
89150004419181	POTATOES WHITE FROZEN SHR	.	.	.	.	.	.	.	X	.	.	.	X	.	.	.	.	X	.	.	.	.
89150008051791	POTATOES WH FZ SHOESTRAIN	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150008108561	PEPPERS SWEET FRZN GREEN	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
89150008108571	POTATOES WHITE FRZN DICED	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.
89150012779841	BEANS LIMA FRZ 2 - 5 LB P	X	.	.	.	.	.	.	.	X	.	.	X	X	.	.	.	.	X	.	.	X
89150012779911	BRUSSELS SPROUTS FRZN 2 -	X	X	X	X	.	.	.	X	X	X	X	X	X	X	.	.	X	X	X	X	X
89150012779921	SPINACH FRZN CUT LEAF OR	X	X	X	X	.	.	.	X	X	X	X	X	X	X	.	.	.	.	.	.	.
89150012780181	CORN FRZN GOLDEN WHOLE GR	.	.	.	.	.	.	.	.	X	.	.	X	X	X	.	.	.	.	.	.	X
89150012780211	PEAS FRZN 2 - 5 LB PG U.S	.	.	.	.	.	.	.	.	.	.	.	X	X	X	.	.	.	.	.	.	X
89150012811761	BEANS GREEN FRZ ROUND CUT	.	.	.	.	.	.	.	.	.	.	.	X	X	X	.	.	.	.	.	.	X
89150012908251	BROCCOLI FRZN SPEARS 6 IN	X	X	.	X	.	.	.	X	X	X	X	X	X	X	.	.	X	X	.	.	X
89150014309111	BLUEBERRIES FZ W/O PACKIN	.	.	.	.	.	.	.	X	X	X	X	.	.	.	.	.	.	.	.	.	.
89150014309831	SUCCOTASH FRZN U.S. GRADE	.	X	.	X	X	.	.	X	X	X	X	X	.	.	.	.	.	.	.	.	.
89150014309971	PEAS AND CARROTS FRZN CON	X	.	.	X	X	.	.	X	X	X	X	X	.	.	.	.	.	.	.	.	.
89150016061561	CAULIFLOWER FRZN 2 - 5 LB	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.
89150016250871	CARROTS FRZN SLICES SHALL	X	.	.	X	.	.	.	X	X	X	X	X	.	.	.	.	.	.	.	.	.
89150016298781	BEANS GREEN FRZN ROUND FR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150019134611	ONION RINGS FRZN RAW BREA	X	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	X
89150025237851	OKRA FRZN CUT 2 - 5 LB PG	.	X	.	.	.	.	.	.	X	.	.	.	X	X	.	.	.	.	.	.	X
89150040460651	ASPARAGUS FRZ ALL GREEN C	X	.	.	.	.	.	.	X	X	X	X	.	.	.	.	.	.	.	.	.	X
89150041126761	JUICE LEMON FRZ CONCENTRA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
89150041126771	JUICE GRAPE FR CON TYPE 1	X	X	X	X	.	.	.	X	.	.	.	X	.	.	.	.	.	.	.	.	X
89150041126781	JUICE GRAPEFRUIT FZ CON S	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
89150043779431	JUICE ORANGE FZ CON UNSWE	X	X	X	X	.	.	.	X	X	X	X	.	.	.	.	.	.	.	.	.	X
89150058240531	STRAWBERRIES FRZ SLICED O	X	X	.	.	.	.	.	.	.	.	.	.	X	X	.	.	.	.	.	.	X
89150058416411	PEACHES FRZ HEAVY SYRUP O	.	X	.	.	.	.	.	X	X	X	X	.	.	.	.	.	.	.	.	.	X
89150061602291	SQUASH FRZN SUMMER SLICE	.	.	.	.	.	.	.	X	X	X	X	.	.	.	.	.	.	.	.	.	X
89150061648191	BEANS WAX FRZN ROUND CUT	X	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
89150078235081	POTATOES WH FZ FR FRIED	.	X	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	X
89150092659361	GREENS MUSTARD FRZN CHOPP	X	.	.	X	.	.	.	X	X	X	X	.	.	.	.	.	.	.	.	.	X
89150092659371	GREENS TURNIP FRZN CHOPPE	X	.	.	.	.	.	.	X	X	X	X	.	.	.	.	.	.	.	.	.	X
89150093566201	VEGETABLES MIXED FRZN U.S	X	X	.	.	.	.	.	X	X	X	X	.	.	.	.	.	.	.	.	.	X
891500A0330031	JUICE ORANGE CONC 12 OZ D	.	.	.	.	.	.	.	X	X	X	X	.	.	.	.	.	.	.	.	.	X
891500A1190581	OKRA WHOLE 16 OZ. FRZ. WI	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1190631	PEAS BLACK EYE 16 OZ FRZ W	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1190841	BEANS GREEN CUT 16 OZ FRZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1190861	BEANS GREEN FRENCH CUT 16	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1190901	BEANS BABY LIMA 16OZ WINT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1190971	BEANS BUTTER SPECKLED 16Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1191121	VEGETABLES MIXED 16 OZ FR	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1191151	VEGETABLES STEW 20 OZ FRZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1191311	CARROTS WHL BABY 16 OZ WI	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1191561	CORN CUT 16 OZ. FROZEN W	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1191571	COLLARD GREENS 16 OZ WINT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1191601	BROCCOLI. CUTS 16 OZ WINT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1191611	CAULIFLOWER FLORETS 16 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1191661	BROCCOLI SPEARS 10 OZ FZ	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1191691	BRUSSEL SPROUTS 10 OZ FZ	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1191751	CORN ON THE COB 4 EARS WI	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1191811	GREEN PEAS 16 OZ FRZ WINT	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1191871	BRUSSEL SPROUTS SM 16 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1192331	SQUASH SLCD ZUCCHINI 16 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1320341	JUICE ORANGE 32 OZ KRAFT	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

12-MO AVG PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE																LA	LB	PA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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891500A2030231	MELON BALLS MIXED 16 OZ F

12-MO AVG PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE												IB	IA	IB	IA
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	FA	ED	EE	EF	FB	FC
894000A0090211	BEEF PIES MEAT 24/8 OZ FR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090331	BEEF PIES 1LB DEEP DISH F	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090561	DNR SIRLOIN CHOPPED 10 OZ	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090701	CHKN FRIED WHITE PORTION	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090721	DINNER MEAT LOAF TV 10 3/	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090801	DINNER TURX TV 4 COMPART	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0090931	DNR PORK LOIN 11 1/4 OZ S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0091201	SALISBURY STK W/CRINKL PO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0091401	DNR CHOPPED BEEF STK H/MA	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0091441	DNR BULESS CHIX H/MAN 19	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0091471	DNR'S STEAK SALISBURY 17	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0091901	DNR FR/CHIX 15 3/4Z H/MAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0720061	BURRITO RED CHILI 4-1LB C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0990281	PEAS MED SWT BTR SCE 10 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0990481	BROCCOLI SPEARS/BTR SCE	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A1130451	TORTILLAS FLOUR 22 OZ ROS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A2760061	MACARONI & CHEESE 12 OZ S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A2760921	CREAMED CHIPPED BEEF 11OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A2761461	LASAGNA 21 OZ FRZ NO 1182	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A3001021	PIZZA FLAT SAUSAGE 12 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A3001091	PIZZA FLAT PEPPERONI 11.7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A3002351	PIZZA DEL COMB SAUS/PEP 2	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A3140061	WHIP TOPPING 10 OZ RICH'S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A5160531	PIZZA DELUXE 9 OZ FZ CELE	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A5160541	PIZZA CHEESE 19 OZ CELEST	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A5160551	PIZZA SAUSAGE 22 OZ CELES	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A5160561	PIZZA DELUXE 23 1/2 OZ CE	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A5160571	PIZZA PEPPERONI 20 OZ CEL	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A5250721	HUSH PUPPIES 1 LB FRZ SEA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A5251721	DINNER SEAFOOD 9 OZ FRZ S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A5770211	TURX SLCD W/GIBLET GRAVY	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A5770591	DNR FRIED CHIX FZ 11 OZ B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000L0510421	CREAM REAL TOPPING 7FL OZ	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89450061600781	MARGARINE PRINTS 1LB OR 1	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89450061600911	SHORTENING COMPOUND GENER	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89450061600921	SHORTENING COMPOUND, BAKE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89450032664911	MARGARINE RTS Patties 90	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
89450033568541	MARGARINE Patties 90 PER	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.
894500A0110061	MARGARINE COL SOFT TUB 1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894500A0111311	MARGARINE COL 1/4'S LB HO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894500A1320281	MARG 2-8OZ PLAS.CUPS SOFT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894500A1320471	MARG QTRS COL CH #5020 PA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894500A1320911	OLEOMARGARINE SQUEEZE PAR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0257001	PICKLES KOSHER CH 1QT OSC	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0257051	PICKLES KOSHER HALVES 1QT	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000J9515681	DIP AVOCADO 7 3/4 OZ FRDZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000J9540351	DIP AVOCADO GUACAMOLE HOT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
896000A4550381	MILK SHAKE CHOC FROSTED 7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE																					
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB	FC	IA	IB	IA	IB	
89050008257331	FISH PORTIONS FZ COD/HADD	X	X	-	-	X	-	X	X	X	-	-	-	-	X	X	-	-	-	-	-	X	X
89050001263393	HAM CANNED CHLD PEAR SHAP	X	X	-	-	X	-	-	-	-	X	-	-	-	X	-	-	X	-	-	-	-	-
890500012634161	CHIX BRO/FRY/WHL FZ RTC 3	X	X	X	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-
890500012640621	PORK,BOSTON SHOULDER BUTT	-	-	-	X	X	-	X	X	-	-	-	-	-	-	X	-	-	-	-	-	-	-
890500012687241	PORK,TENDERLOIN,SPECIAL.F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
890500012687431	PORK, SPARERIBS, FROZEN	X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
890500012784721	COD FZ FILLETS SKNLS 3-24	-	-	-	-	X	-	-	-	-	X	-	-	-	X	-	-	-	-	-	-	-	-
890500012784741	HADDOCK FZ FILLETS SKIN	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
890500013358861	BEEF KNUCKLE SPECIAL (OVE	X	-	-	-	-	-	X	X	-	-	-	-	-	X	-	-	-	-	-	-	-	-
890500013358871	BEEF SHOULDER CLOD (POT R	-	-	-	-	X	-	-	-	-	X	-	-	-	X	-	-	-	-	-	-	-	-
890500013358881	BEEF ROUND R&S OFF BNLS I	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
890500013358891	BEEF FOR SWISSING, BRAISI	X	X	-	-	X	-	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-
890500013984811	VEAL STEAK FLAKED FORMED	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
890500014913551	PORK,HOCKS,SHOULDER.FZ CU	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
890500016404851	PERCH FZ FILLETS SKIN ON	X	-	-	-	X	-	X	X	-	-	-	-	-	X	-	-	-	-	-	-	-	-
890500016404901	FLOUNDER FZ FILLET SKNLS	-	-	-	-	X	-	X	X	-	-	-	-	-	X	-	-	-	-	-	-	-	-
890500016468741	SCALLOPS FZ SEA FED PP-S-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
890500017750171	BEEF FOR STEWING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
890500025276691	HALIBUT FZ STEAKS 3 TO 24	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
890500026272741	TKY BNLS RAW FZ TYPE I OR	-	-	-	-	-	-	X	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-
890500027336221	4.1 RABBIT FZ CUT-UP GR A	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
890500029913161	CORNEED BEEF FROZEN	X	-	-	-	X	-	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-
890500029913301	SALAMI COOKED FROZEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
890500040395921	BACON SLICED (BULK), FROZ	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
890500041046711	BEEF ROUND R&S OFF ITEM N	-	X	-	-	-	-	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-
890500049172081	CHIX QTRD F Z BRO/FRY TYP	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
890500049284071	FISH STICKS FZ COD/HADDO	-	-</																				

SES (.15)	PROCUREMENT CYCLE																			
STOCK NUMBER	ITEM NOMENCLATURE																			
	AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB	FC	LA	IB	PA

K-30

SES(15) PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE																LA	LB	PA	
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB				FC
89050103475491	BEEF TOP SIRLOIN STEAK	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050105031901	BEEF PATTIE MIX (BULK) FR	.	.	.	X	.	X	.	.	.	.	.	.	.	.	.	.	X	X	.	.
89050105031921	BEEF PATTIES FROZEN, 3 OZ	X	.	.	.	.	.	.	.	.	.	.	.	X	X	.	.	.	.	.	.
8905010309191	LAMB NEW ZEALAND LOIN FZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
8905010309561	RAINBOW TROUTS FRZ 12 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
8905010309571	PORK TENDERLOIN FRZ HAVER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
8905010309581	PORK LOIN BONELESS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
89100004331981	EGGS SHELL MED OR LARGE C	X	X	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100004332001	EGGS SHELL LARGE CONS GR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100008262051	CHEESE AMER PROC PAST 5 L	X	X	.	.	X	.	.	.	X	X	.	.	.	.	.	.	.	.	.	.
89100012584401	CHEESE CHEDR NAT FRS MED	X	.	X	.	X	X	X	X	.	.	X	.	.	X	.	X	.	.	.	.
89100014904931	CHEESE FOOD AMER PROC 3-5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100058464311	CHEESE SWISS AND AMERICAN	.	X	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100058464341	CHEESE SWISS NATURAL SAND	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100061600381	BUTTER SLT GRA 1LB PRNT O	X	X	.	X	.	.	.	.	X	X	.	.	.	.	.	.	.	.	.	.
89100061600511	EGGS WHOLE FZ TABLE TYPE	.	.	.	X	X	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.
89100065609931	CHEESE AMER PROC SLICES 1	.	.	.	.	.	X	X	X	.	.	X	X	.	X	X	.	.	.	.	.
89100078228371	CHEESE MOZZARELLA NAT TYP	X	X	.	.	.	.	X	.	.	.	.	.	.	.	.	.	X	X	.	.
89100078231931	BUTTER SALTED DONATED 1LB	.	.	X	.	.	X	.	.	.	.	X	.	.	.	.	.	X	.	.	X
89100078231951	BUTTER SALTED 90 PAT PER	.	.	.	.	X	.	X	X	.	.	.	.	.	.	.	.	.	.	.	.
89100092699621	BUTTER SLT GRA AA OR A 90	.	.	X	.	.	.	.	.	.	.	.	.	X	X	.	.	.	.	.	X
89100093567091	BUTTER SALTED 90 RTS PAT	X	.	.	.	.	X	X	.	.	.	.	.	.	.	X	.	.	.	.	.
89100093567761	BUTTER SLT GRA A 90 PAT P	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1320451	CHEESE AMER SLCD RIB CH 3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1321361	CHEESE AMER SLCD INDIVWRP	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
891000A1321551	CHEESE GRATED PARMESAN 8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
891000A1321721	CHEESE GRATED PARMESAN 3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
891000A1321841	CHEESE NAT CHUNK REG SWIS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
891000A1322251	CHEESE PHILA PLAIN CREAM	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
891000A1322411	CHEESE PHILA PLAIN CREAM	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
891000A1322431	CHEESE SPREAD 12S 1/2LB 8	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
891000A1323201	CHEESE WHIP/ONION 4 OZ KR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
891000A1324101	CHEESE STICKS MELLOW COL	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
891000A1324201	CHEESE STICK SHP 10 OZ CR	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
891000A1324301	CHEESE STICK X-SHARP COL	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
891000A1325201	CHEESE MOZZ RND 8 OZ KRAF	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
891000A1325401	CHEESE GOUDA BABY 8 OZ CH	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
891000A1325801	CHEESE SLCD SWISS REG 8 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
891000A1326351	CHEESE PROVOLONE SLCD 8 O	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
891000A1326501	CHEESE MOZZARELLA SLCD 8O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
891000A1327751	CHEESE CHEDDAR 12 OZ CH K	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
891000A1328051	SQUEEZE A SNACK BACON 6 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
891000A1329041	CHEESE SPREAD WHIZ 8 OZ C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
891000A4550101	CHEESE AMERICAN SLCD 12 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
891000A4551011	CHEESE AMER 2LB BX CHILL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
891000A4552571	CHEESE SLCD AMERICAN 4LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
891000S1112991	EGGS SHELL CTN LGE CONS G	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
89150004419181	POTATOES WHITE FROZEN SHR	.	.	X	X	.	X	.	.	.	.	.	.	.	.	.	.	.	X	.	X
89150008051791	POTATOES WHIT FZ SHOESTRIN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
89150008108561	PEPPERS SWEET FRZN GREEN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
89150008108571	POTATOES WHITE FRZN DICED	.	X	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
89150012779841	BEANS LIMA FRZ 2 - 5 LB P	.	X	X	X	.	X	X	X	.	.	.	.	.	.	X	X	X	X	.	X
89150012779911	BRUSSELS SPROUTS FRZN 2 -	.	.	.	.	X	X	X	.	.	.	.	X	.	.	.	.	.	X	X	X

SES(. 15) PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE												FA	FB	FC	IA	IB	PA		
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	ED	EE							EF	
89150012779921	SPINACH FRZN CUT LEAF OR	.	.	.	.	X	.	X	.	.	.	X	.	.	X	.	.	.	.	X	.
89150012780181	CORN FRZN GOLDEN WHOLE GR	X	.	.	X	X	.	X	.	.	X	.	X	.	X	X	X	X	X	.	X
89150012780211	PEAS FRZN 2 - 5 LB PG U.S	X	X	.	X	X	X	X	X	X	.	X	.	.	X	X	X	X	X	.	X
89150012811761	BEANS GREEN FRZ ROUND CUT	X	X	.	X	X	.	X	.	.	X	.	X	.	X	X	.	.	.	.	X
89150012908251	BROCCOLI FRZN SPEARS 6 IN	.	.	X	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
89150014309111	BLUBERRIES FZ W/O PACKIN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
89150014309831	SUCCOTASH FRZN U.S. GRADE	X	X	.	X	.	.	X	.	.	X	X	X	X	X	X	X	X	X	X	X
89150016061561	CAULIFLOWER FRZN 2 - 5 LB	X	X	.	X	X	.	X	.	.	X	X	X	X	X	X	X	X	X	X	X
89150016250871	CAROTS FRZN SLICES SHALL	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
89150016298781	BEANS GREEN FRZN ROUND FR	X	X	X	X	X	X	X	.	.	X	X	X	X	X	X	X	X	X	X	X
89150019134611	ONION RINGS FRZN RAW BREA	.	.	X	X	X	.	.	.	.	X	X	X	X	X	X	X	X	X	.	.
89150025237851	OKRA FRZN CUT 2 - 5 LB PG	.	.	.	X	.	.	.	.	.	X	X	X	X	X	X	X	X	X	.	.
89150040460651	ASPARAGUS FRZ ALL GREEN C	X	X	.	X	.	.	.	.	.	X	X	X	X	X	X	X	X	X	.	.
89150041126761	JUICE LEMON FRZ CONCENTRA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
89150041126771	JUICE GRAPE FR CON TYPE 1	.	.	.	.	X	.	.	.	.	X	.	.	.	X	.	.	.	.	.	X
89150041126781	JUICE GRAPEFRUIT FZ CON S	.	.	.	X	X	.	.	.	.	X	X	X	X	X	X	X	X	X	.	.
89150043779431	JUICE ORANGE FZ CON UNSWE	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
89150058240531	STRAWBERRIES FRZ SLICED O	.	.	.	X	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	X
89150058416411	PEACHES FRZ HEAVY SYRUP O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
89150061602291	SQUASH FRZN SUMMER SLICE	X	X	.	X	.	.	.	.	.	X	X	X	X	X	X	X	X	X	.	.
89150061648191	BEANS WAX FRZN ROUND CUT	.	X	.	X	X	.	X	.	.	X	X	X	X	X	X	X	X	X	.	.
89150078235081	POTATOES WHT FZ FR FRIED	X	X	.	X	.	.	.	.	.	X	.	.	.	X	X	X	X	X	.	X
89150092659361	GREENS MUSTARD FRZN CHOPP	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
89150092659371	GREENS TURNIP FRZN CHOPPE	.	X	.	.	.	.	.	.	.	X	.	.	.	X	X	X	X	X	.	X
89150093566201	VEGETABLES MIXED FRZN U.S	.	.	X	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	X
891500A1190631	PEAS BLACKKEY 16 OZ FRZ W	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1191121	VEGETABLES MIXED 16 OZ FR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1191141	PEAS & CAROTS 16 OZ WINT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1191151	VEGETABLES STEW 20 OZ FRZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1191571	COLLARD GREENS 16 OZ WINT	X	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	X
891500A1191591	GREENS TURNIP CHOPPED 16Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1191601	BROCCOLI, CUTS 16 OZ WINT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1191611	CAULIFLOWER FLORETS 16 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1191691	BRUSSEL SPROUTS 10 OZ FZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1191811	GREEN PEAS 16 OZ FRZ WINT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A1191871	BRUSSEL SPROUTS SM 16 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A2030231	MELON BALLS MIXED 16 OZ F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A2600051	JUICE ORANGE CONC 6 OZ MI	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A2600121	JUICE ORANGE CONC 16 OZ F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A2600551	LEMONADE CONC 12 OZ FZ MI	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A2600811	LIMEADE CONC 6 OZ FZ MINU	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A4401171	CORN ON THE COB 4 EARS FZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A4401601	POTATOES CRINKLE CUT SLB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A4820021	APPLE JUICE FZ 12 OZ CN S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A5252321	ONION RINGS 16 OZ FZ SEA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
891500A9537021	MUSTARD GREENS CHOPPED 16	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
892000A090131	TURNOVER APPLE 12 1/2 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
892000A0391321	WAFFLES HOMEMADE 12 OZ DO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
892000A079001	ROLLS CARAMEL PECAN 10.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
892000A0790421	CREAM PIES CHOC BAVARIAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
892000A0790621	STRAWBERRY SHORTCAKE 21Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X

SES(.15)

STOCK NUMBER ITEM NOMENCLATURE

WAREHOUSE

[illegible]

SES(15) PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE																			
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB	FC	LA	LB	P'A
894000A0091651	BKFT PANCKS W/LINK SAUG	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
894000A0091741	FISH N CHIPS ENT 5 OZ 2CO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
894000A0091901	DNR FR/CHIX 15 3/4Z H/MAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
894000A0091911	DNR TURX 18 3/4Z HUNGRYMA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A0390691	DESERT TOPPING OLD FASH O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
894000A0990481	BROCCOLI SPEARS/BTR SCE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
894000A1130451	TORTILLAS FLOUR 22 OZ ROS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
894000A2760921	CREAMED CHIPPED BEEF 11OZ	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
894000A2761461	LASAGNA 21 OZ FRZ NO 1182	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
894000A3000901	PIZZA SNK ASSTD. SAUS/PEP	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
894000A3000961	PIZZA FLAT CHEESE 11.75 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
894000A3001021	PIZZA FLAT SAUSAGE 12 OZ	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
894000A3001091	PIZZA FLAT PEPPERONI 11.7	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
894000A3002351	PIZZA DEL COMB SAUS/PEP 2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
894000A5160531	PIZZA DELUXE 9 OZ FZ CELE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
894000A5160551	PIZZA SAUSAGE 22 OZ CELES	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
894000A5160561	PIZZA DELUXE 23 1/2 OZ CE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
89450061600781	MARGARINE PRINTS 1LB OR 1	X	.	.	X	X	X	X	.	.	.	.	.	X	X	X	X	.	X	X	.
89450061600911	SHORTENING COMPOUND GENER	.	.	.	X	X	X	X	.	.	.	.	.	.	X	X	X	.	.	.	.
89450061600921	SHORTENING COMPOUND, BAKE	.	.	.	.	X	X	X	X	X	X	.	.	.	X	X	X	.	X	X	.
89450092664911	MARGARINE RTS PATTIES 90	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
89450093568541	MARGARINE PATTIES 90 PER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
894500A0110061	MARGARINE COL SOFT TUB 1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
894500A0472211	MARG CORN OIL 1/4LB PRINT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
894500A1320281	MARG 2-8OZ PLAS.CUPS SOFT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
894500A1320911	DLEDMARGARINE SQUEEZE PAR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
895000A0257051	PICKLES KOSHER HALVES 1QT	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
895000J9515681	DIP AVOCADO 7 3/4 OZ FROZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X

LAST PC PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE																IA	LB	PA
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB				FC
89050012634161	CHIX BRO/FRY/WHL FZ RTC 3	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.
89050012784741	WADDOCK FZ FILLETS SKIN	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050013358881	BEEF ROUND RBS OFF BNLS I	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
89050016404851	PERCH FZ FILLETS SKIN ON	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050016404901	FLOUNDER FZ FILLET SKNLS	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050049172081	CHIX QTRD F Z BRO/FRY TYP	.	.	.	X	X	.	X	.	.	.	.	.	.	.	X	.	.
89050058240351	DUCK WHL FZ RTC CLASS 1 D	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.
89050075365681	PORK, LOIN, BONELESS, FRO	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050075365691	PORK CHOPS, BONELESS, FZ,	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.
89050092664851	PORK SAUSAGE ROLL FROZEN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
89050096521281	CHIX C/U F BRO/FRY W/O BN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
890500A0250761	PK SAUS ROLL P/R 36/1# FZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
890500A0251051	BRAUNSHWEIGER OMAYER 8 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
890500A0252901	HAM CHOPPED SLD PK 1/2LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
890500A0253361	HAM COOKED SLC OMAYER 6OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X
890500A0256051	PORK CHOPS OMAYER 1 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
890500J9540121	HAM RED PEPPERED 4 OZ FZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
8910008262051	CHEESE AMER PROC PAST 5 L	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
89100065609931	CHEESE AMER PROC SLICES I	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
8915004419181	POTATOES WHITE FROZEN SHR	.	.	.	.	.	.	.	.	.	X	.	.	.	X	.	.	X
8915008051791	POTATOES WHT FZ SHOESTRIN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
89150019134611	ONION RINGS FRZN RAW BREA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
89150041126771	JUICE GRAPE FR CON TYPE 1	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.
89150058240531	STRAWBERRIES FRZ SLICED O	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.
89150078235081	POTATOES WHT FZ FR FRIED	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.	X
892000A0793341	CAKE LAYER WALNUT 18 OZ F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A2092971	CUPCAKE ORANGE FILLED 3 D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A3142511	WHITE BREAD DOUGH 2/1LB L	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
894000A0090331	BEEF PIES 1LB DEEP DISH F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
894000A0091441	DNR BNLESS CHIX H/MAN 19	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X

LAST YEAR	PROCUREMENT CYCLE
1999	100
2000	100
2001	100
2002	100
2003	100
2004	100
2005	100
2006	100
2007	100
2008	100
2009	100
2010	100
2011	100
2012	100
2013	100
2014	100
2015	100
2016	100
2017	100
2018	100
2019	100
2020	100
2021	100
2022	100
2023	100
2024	100
2025	100
2026	100
2027	100
2028	100
2029	100
2030	100
2031	100
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2083	100
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2086	100
2087	100
2088	100
2089	100
2090	100
2091	100
2092	100
2093	100
2094	100
2095	100
2096	100
2097	100
2098	100
2099	100
2100	100

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE											P-A							
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA		ED	EE	EF	FA	FB	FC	IA	IB
890500013420151	TURKEY BNLS RAW FZ MOLDED	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500013420161	TURX FZ RTC WHL GR A TOM	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500016404851	PERCH FZ FILLETS SKIN ON	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500026272741	TKY BNLS RAW FZ TYPE I OR	.	.	.	.	X	.	.	.	.	.	.	.	X	.	.	.	.	.	.
890500041046711	BEEF ROUND RAS OFF ITEM N	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500054373331	TURX WHL FZ RTC GR A TOMS	.	X	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500058240391	SHRIMP FZ RAW PEELED DEVE	.	.	.	.	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.
890500075365691	PORK CHOPS, BONELESS, FZ,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500093547651	FISH PORTIONS FZ OCEAN PE	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
890500040253551	SLI BAC 12/14 SARNP BW #1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500041080961	HAM CND 3 LB SWIFT PREMIO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500041081021	HAM PEAR S&P PREM 5LB CH	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050005004061	HAM BNLS HLF CURE HORHEL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500050040821	HAM SMKD FULLY CKD 10-14L	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050009521841	HAM UNCKD PEPRCOAT 10-14LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050009537861	HAM HCKS SMKD LAYER PK D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050009540181	SAUSAGE LITTLE SIZZLERS H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050009540211	FRANKS TATER DOGS 10 OZ H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050009540211	FRANKS TATER DOGS 10 OZ H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050009540211	FRANKS TATER DOGS 10 OZ H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050009540211	FRANKS TATER DOGS 10 OZ H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050009540211	FRANKS TATER DOGS 10 OZ H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050009540211	FRANKS TATER DOGS 10 OZ H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050009540211	FRANKS TATER DOGS 10 OZ H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050009540211	FRANKS TATER DOGS 10 OZ H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050009540211	FRANKS TATER DOGS 10 OZ H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050009540211	FRANKS TATER DOGS 10 OZ H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050009540211	FRANKS TATER DOGS 10 OZ H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050009540211	FRANKS TATER DOGS 10 OZ H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050009540211	FRANKS TATER DOGS 10 OZ H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050009540211	FRANKS TATER DOGS 10 OZ H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050009540211	FRANKS TATER DOGS 10 OZ H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050009540211	FRANKS TATER DOGS 10 OZ H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050009540211	FRANKS TATER DOGS 1																			

AR1 LAG		PROCUREMENT CYCLE		WAREHOUSE																		
STOCK NUMBER	ITEM NOMENCLATURE	AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB	FC	LA	IB	PA	
89050004418541	PIGS FEET, FRONT, FROZEN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
89050012633931	HAM CANNED CHLD PEAR SHAP	.	X	.	.	.	X	.	.	.	.	.	.	.	X	.	.	.	.	.	.
89050012634161	CHIX BRO/FRY/WHL FZ RTC 3	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050012640621	PORK, BOSTON SHOULDER BUTT	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	X	.
89050012687431	PORK, SPARERIBS, FROZEN	.	.	.	.	X	.	.	.	.	.	.	.	.	X	.	.	.	.	X	.
89050013358861	BEEF KNUCKLE SPECIAL (OVE	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.	X	.
89050013358891	BEEF FOR SWISSING, BRAISI	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
89050013420151	TURKEY BNLS RAW FZ MOLDED	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050017750171	BEEF FOR STEWING	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050029913301	SALAMI COOKED FROZEN	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050049172081	CHIX QTRD F Z BRO/FRY TYP	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.
89050054373331	TURX WHL FZ RTC GR A TOMS	X	.	.	.	X	.	.	.	.	X	.	.	.	X	.	.	.	.	.	.
89050058240391	SHRIMP FZ RAW PEELED DEVE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
89050061600501	FRANKFURTERS FROZEN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050068266831	HAM SECTIONED & FORMED, S	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050075364261	FRESH HAM, BONELESS (ROAST)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
89050096023031	SHRIMP FZ RAW BRD DEV STY	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
89050096521281	CHIX C/U F BRO/FRY W/O BN	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.	X	.	.
890500A0250301	SAUS SMOKYLINK OMAYER 12OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
890500A0250761	PK SAUS ROLL P/R 36/1# FZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
890500A0251331	BOLOGNA SLCD OMAYER 12 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
890500A0251801	PKLE & PIMNTO OMAYER 8 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
890500A0252351	SALAMI COTTO OMAYER 8 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
890500A0252801	LUNCH MEAT PORK MAYER 8OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
890500A0253421	BACON CANADIAN OMAYER 6OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
890500A0255101	BACON SLCD OMAYER 1LB MEL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
890500A0256051	PORK CHOPS OMAYER 1 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
890500A1081211	HAM CND 4 LB SWIFT HOSTES	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
890500J5004821	HAM SMKD FULLY CKD 10-14L	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
890500J5006161	BOLOGNA SLCD GWALTNEY 1LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
890500J9502071	BEEF LIVER TENDER SLCD 1L	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
890500J9512041	PK SAUS HOT GWALTNEY 1 LB	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9522671	FRANKS SKNLS 16OZ SWIFT	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9533891	SMKD HAM DELI THIN SLI 30	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
890500J9533911	CORND BEEF DEL THIN PREM	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
890500J9535311	SPARERIBS TLP SWIFT INDIV	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9539461	ROAST BNLS CHUCK 3.0LB TE	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9539571	STEAK T-BONE .75LB FZ TEM	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9539741	BEEF GROUND 1LB FZ TEMPLE	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500J9540281	PIGS FT SPLT NAILS TRM FR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
89050105031901	BEEF PATTIE MIX (BULK) FR	X	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
89050105031921	BEEF PATTIES FROZEN, 3 OZ	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
890501V0309591	PORK LOIN CHOPS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100004331981	EGGS SHELL MED OR LARGE C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1320451	CHEESE AMER SLCD RIB CH 3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
891000A1323151	CHEESE WHIP/CREAM CHIVE 4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1326501	CHEESE MOZZARELLA SLCD 80	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A5550011	BUTTER SALT QTRS 36/1LB L	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
891000L0510201	CREAM STERILIZED STABIL W	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
89100107256531	BUTTER CCC SALTED, 4 PRIN	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150004419181	POTATOES WHITE FROZEN SHR	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150012780181	CORN FRZN GOLDEN WHOLE GR	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150012811761	BEANS GREEN FRZ ROUND CUT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X

ARI LAG PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE																			
		AA	AB	AC	BA	BB	BC	CA	CC	DA	DB	EA	ED	EE	EF	FA	FB	FC	LA	LB	PA
89150025237851	OKRA FRZN CUT 2 - 5 LB PG
89150040460651	ASPARAGUS FRZ ALL GREEN C
89150041126771	JUICE GRAPE FR CON TYPE 1
89150041126781	JUICE GRAPEFRUIT FZ CON S	.	.	.	.	.	.	X	.	.	.	.	.	.	X	.	.	.	.	.
89150043779431	JUICE ORANGE FZ CON UNSWE	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150058240531	STRAWBERRIES FRZ SLICED O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150061602291	SQUASH FRZN SUMMER SLICE	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150061648191	BEANS WAX FRZN ROUND CUT	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.
89150078235081	POTATOES WHI FZ FR FRIED	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.
89150092659361	GREENS MUSTARD FRZN CHOPP	.	.	.	.	X	.	.	.	.	.	.	.	.	X	.	.	.	.	.
89150092659371	GREENS TURNIP FRZN CHOPPE	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A0454861	GREEN PEAS 16 OZ STOKELYS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A1191601	BROCCOLI, CUTS 16 OZ WINT	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A0391201	PIE SHL PSTRY 9 IN 5 PER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0475211	CNDY BABY RUTH 16OZ FUN S	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0550131	CANDY MLK CHOC CH JRS 24	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
892500A0550141	CNDY ALM MILK CHOC JR SZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
892500A0551991	CHIPS MLK CHOC 11.50 OZ C	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
892500A0692161	CNDY 3 MUSKETEERS BAR 1LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
894000A0090331	BEEF PIES 1LB DEEP DISH F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
894000A0090361	TURX PIES 1LB DEEP DISH F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0091401	DNR CHOPPED BEEF STK H/WA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
894000A0091911	DNR TURX 18 3/4Z HUNGRYMA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
894000A0390691	DESERT TOPPING OLD FASH Q	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
894000A5160551	PIZZA SAUSAGE 22 OZ CELES	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
894000A5770591	DNR FRIED CHIX FZ 11 OZ B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
894000L0510421	CREAM REAL TOPPING 7FL OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
89450061600781	MARGARINE PRINTS 1LB OR 1	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89450061600911	SHORTENING COMPOUND GENER	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.
89450092664911	MARGARINE RTS Patties 90	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894500A1320471	MARG QTRS COL CH #5020 PA	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Appendix L

**Cross Reference Listing of Model Assignments for
Semiperishable Subsistence**

Appendix L

Cross Reference Listing of Model Assignments for Semiperishable Subsistence

*****FORECAST MODEL ASSIGNMENT FOR SUBSISTENCE ITEMS BY WAREHOUSE*****
 *****SORTED BY STOCK NUMBER*****
 *****SEMI-PERISHABLE SUBSISTENCE*****

FINAL GROUP OF FIVE MODELS

MODEL #	NOMENCLATURE	% OF RECORDS ASSIGNED	% REDUCTION IN RMSE	% RECORDS WITH POSITIVE IMPROVEMENT
1	12-MO AVG	29.0%	11.9%	91.1%
2	COMBINED	47.3%	10.3%	89.8%
3	LAST LT	5.5%	5.2%	74.5%
4	LAST YEAR	6.8%	33.5%	100.0%
5	ARI LAG	11.4%	13.6%	92.8%
GROUP		100.0%	12.4%	90.4%

MODEL #	NOMENCLATURE	% OF RECORDS ASSIGNED	% REDUCTION IN RMSE	% RECORDS WITH POSITIVE IMPROVEMENT
1	12-MO AVG	34.3%	8.3%	89.9%
2	COMBINED	51.5%	7.2%	81.6%
3	LAST PC	4.6%	7.5%	84.8%
4	LAST YEAR	3.9%	18.8%	98.7%
5	ARI LAG	7.9%	10.7%	92.8%
GROUP		100.0%	8.3%	86.1%

LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NWS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SDB	SDQ	SDU	SMS	SRS
6505000A2921201	VITAMINS MULTIPLE 10	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.
651000A0921221	NAPKINS SUPER 30 PER	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
651000A0921421	NAPKINS FEM MAXI NEW	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.
651000A0923861	NAPKINS FEMININE NEW	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
651000A1581501	BANDAGES ADHESIVE 70	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
651000A5480011	TAMPONS 40 PER PG. S	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
651000A5480021	TAMPONS 40 PER PG SU	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
681000A3320481	SPRAY STARCH AEROSOL	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
681000A3320541	STARCH SPRAY -ON FABR	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
681000A3431161	DEGREASER GREASE REL	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
681000A4461121	WATER CONDITIONER RE	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
684000A0190481	DISINFECTANT AEROSOL	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
684000A0710161	DEODORANT FLORAL SAC	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
684000A0712711	DEODORANT SPACE SUNN	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
684000A1380731	DISINFECTANT BATHRM	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
685000A1380241	BLEACH LIQUID 1/ 2GA	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
685000A1380321	BLEACH LIQUID GALLON	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
685000A1380601	BLEACH ALL FABRIC 40	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
685000A3040151	BLEACH SUPER HALF GA	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
721000B5109411	CLOTH DISH PKG 4 IB	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
721000B5109801	CLOTH ALL-PURPOSE PK	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
721000B5109831	CLOTH POLISHING PKG	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
733000B5105541	SCRUBBER NYLON RECTA	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
733000B5105631	SCRUBBER PLASTIC PKG	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.
733000B5109461	POTHOLDERS QUILTED C	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
735000A0540521	PAP PLATES 2PLY H-C	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
735000A3981351	PLATES WHT DEEP DISH	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.
792000A3040061	SOAP FILLED PADS #03	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
792000A3040211	SCOURING PADS NYLON	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
792000B5105751	SPONGE CELLULOSE 5-1	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.
792000B5105761	SPONGE CELLULOSE 7-3	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
792000B5105771	SPONGE CELLULOSE 5-1	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.
792000B5109161	BRUSH SANITARY BOWL	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
792000B5109181	BRUSH SCRUBBING HOUS	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
792000B5109201	HANDLE MOP SPRING LE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
792000B5109241	MOP BLOCK SPONGE WIT	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
792000B5109261	MOP STICK OR YACHT W	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
792000B5109281	MOP COTTON STICK CLE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
792000B5109341	MOP SPONGE REFILL BL	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A0051261	SOAP LIQ COLD WATER	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
793000A0052391	OVENCLEANER SPRY LEM	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A0200381	AMONIA PLAS LEMON SU	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A0201231	WAX ONE STEP FOR WOO	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
793000A0300901	DETERGENT CONCENTRAT	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A0420541	AMMONIA HOUSEHOLD CL	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A0490921	DETERGENT REGULAR 20	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
793000A0491641	CLEANER GIANT 54 OZ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A0491761	CLEANER GIANT 28 FL.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A0491881	CLEANER LIQUID GIANT	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
793000A0491921	CLEANER GIANT 21 OZ.	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
793000A0492001	CLEANER BATHROOM 6 O	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
793000A0710181	FLOOR WAX 27 OZ HD G	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
793000A0710301	FLOOR WAX 27 OZ #001	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.

LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NNS	NOS	NP'S	NRS	NVS	NXZ	SAS	SBS	SDB	SDQ	SDU	SMS	SRS
793000A0710851	FURNITURE POLISH 14	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A0711151	RUG CLEANER 24 OZ AE	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A0712051	FLOOR FINISH 27 OZ F	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A1240961	DETER GIANT 3W 1 OZ	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A1241581	DETERGENT LIQ KING 3	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A1241741	CLEANSER GIANT 1 LB	.	.	.	.	.	.	.	.	.	.	3	.	.	.
793000A1700351	RUG CLEANER LIQUID Q	.	.	.	.	.	.	.	.	.	.	1	.	.	.
793000A3042661	STAINLES STEEL & ALU	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A3042721	DISHWASHING LIQ PINK	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A3130241	DETERGENT DISHWASHER	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A3130661	LIM & RUST REMVR 16	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A3630181	BATHRM CLEANER/SANTZ	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A4680621	DUST CONTROL SPRAY 1	.	.	.	.	.	.	.	.	.	.	1	.	.	.
793000A4682171	CLEANER OVEN SPRAY 8	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A4683041	WINDOW CLEANER AERO	.	.	.	.	.	.	.	.	.	.	3	.	.	.
793000A4683101	CLEANER TOILET BOWL	.	.	.	.	.	.	.	.	.	.	1	.	.	.
793000A4683151	FURNITURE POLISH W/L	.	.	.	.	.	.	.	.	.	.	2	.	.	.
810500A0600191	BAGS GARBAGE PLAST 3	.	.	.	.	.	.	.	.	.	.	2	.	.	.
810500A2170161	BGS SANDWICH 15OCT.6	.	.	.	.	.	.	.	.	.	.	1	.	.	.
813500A2100121	ALUM FOIL REG.75 SQ	.	.	.	.	.	.	.	.	.	.	1	.	.	.
813500A2100161	ALUM FOIL REG.200 SQ	.	.	.	.	.	.	.	.	.	.	1	.	.	.
813500A2100241	ALUM FOIL HVT DTY 24	.	.	.	.	.	.	.	.	.	.	2	.	.	.
813500A2170061	WRAP FOOD PLASTIC 1 2	.	.	.	.	.	.	.	.	.	.	1	.	.	.
813500A3200311	WAX PAPER 100 FT #73	.	.	.	.	.	.	.	.	.	.	5	.	.	.
813500A3630151	WRAP PLASTIC JUMBO S	.	.	.	.	.	.	.	.	.	.	2	.	.	.
813500A3630291	BAGS QUART SIZE 25'S	.	.	.	.	.	.	.	.	.	.	2	.	.	.
813500A3630331	BAGS GAL SIZE 20'S Z	.	.	.	.	.	.	.	.	.	.	1	.	.	.
851000A0490451	SHAMPOO TUBE FAMILY	.	.	.	.	.	.	.	.	.	.	5	.	.	.
851000A0760051	LOTION W/DISP 15 OZ	.	.	.	.	.	.	.	.	.	.	1	.	.	.
851000A1580181	SHAMPOO BABY 11 OZ 3	.	.	.	.	.	.	.	.	.	.	2	.	.	.
851000A2510241	DEODORANT XTR DR ANT	.	.	.	.	.	.	.	.	.	.	2	.	.	.
851000A4480161	DEODORANT RIGHT GUAR	.	.	.	.	.	.	.	.	.	.	1	.	.	.
851000A4480721	HAIR SPRAY EXTRA HOL	.	.	.	.	.	.	.	.	.	.	2	.	.	.
851000A4540081	LOTION AFTER SHAVE R	.	.	.	.	.	.	.	.	.	.	2	.	.	.
851000A4650321	DEODOR STICK 24/ 21/	.	.	.	.	.	.	.	.	.	.	5	.	.	.
851000A4681571	HAIR SPRAY 8 OZ PL F	.	.	.	.	.	.	.	.	.	.	4	.	.	.
852000A0190141	TOWELETTES 70'S POP-	.	.	.	.	.	.	.	.	.	.	5	.	.	.
852000A0200451	SOAP BATH GOLD 5 OZ	.	.	.	.	.	.	.	.	.	.	2	.	.	.
852000A0200511	SOAP BATH SIZE WHITE	.	.	.	.	.	.	.	.	.	.	2	.	.	.
852000A0200631	SOAP BATH SIZE ALMON	.	.	.	.	.	.	.	.	.	.	5	.	.	.
852000A0301761	TOOTHPASTE FAMILY 6.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
852000A0493021	TOOTHPASTE DENTIFRIC	.	.	.	.	.	.	.	.	.	.	2	.	.	.
852000A0493101	TOOTHPASTE REGULAR 7	.	.	.	.	.	.	.	.	.	.	5	.	.	.
852000A0493191	TOOTHPASTE MINT 7 OZ	.	.	.	.	.	.	.	.	.	.	15	.	.	.
852000A1240171	SOAP BATH GR 4.75 Z	.	.	.	.	.	.	.	.	.	.	2	.	.	.
852000A1243031	TOOTHPASTE FAMILY 7	.	.	.	.	.	.	.	.	.	.	1	.	.	.
852000A1243271	SOAP DEODORANT BATH	.	.	.	.	.	.	.	.	.	.	1	.	.	.
852000A3230201	LIQUID BUBBLE BATH F	.	.	.	.	.	.	.	.	.	.	5	.	.	.
852000A4480121	CREAM SHAVING FOAMY	.	.	.	.	.	.	.	.	.	.	1	.	.	.
853000A4482061	RAZOR BLADES TRAC II	.	.	.	.	.	.	.	.	.	.	1	.	.	.
854000A0920281	TISSUE FACIAL ASST 1	.	.	.	.	.	.	.	.	.	.	1	.	.	.
854000A0920671	NAPKINS DINNER ASST:	.	.	.	.	.	.	.	.	.	.	2	.	.	.

LEAD TIME

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NWS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
854000A09 2451	NAPKINS COCKTAIL ASS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
854000A0922701	TOWELS JUMBO 100- 2P	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
854000A0922801	ISSUES BOUTIQUE ASS	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
854000A1240071	TOWELS REUSABLE 8 AS	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
854000A2071401	TISSUE FACIAL ASSTD	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
854000A2072031	TISSUE TOILET S/PAC	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
854000A3201141	TISSUE BATHRM ASST C	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
854000A3202331	NAPKINS FAMILY WHITE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
854000A3203941	NAPKINS FAMILY ASST.	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
854000A3204041	TOWELS BG RL DECO PR	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
854000A4300921	TISSUE TOILET ASSTD	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
871000A0510091	DOG FOOD REGULAR 15	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
871000A0580241	DOG FOOD DRY 5 LB GA	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
871000A0581021	DOG FOOD DRY BURGERS	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
871000A0870061	DOG FOOD 15 OZ CN KE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
871000A0870921	FOOD DOG SPECIAL CUT	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
871000A1120101	DOG FOOD BEEF CHUNKS	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
871000A1120201	DOG FOOD HORSEMEAT C	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
871000A1120401	DOG FOOD LIVER CHUNK	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
871000A1120501	DOG FOOD CHICKEN DIN	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
871000A1120901	DOG FOOD BEEF STEW C	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
871000A1380011	CAT LITTER 4 LB.BAG	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
871000A1500211	BISCUITS DOG MILK-80	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
871000A1500351	DOG FOOD FLAVOR SNAC	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
871000A1900521	PET FOOD TUNA N CHIC	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
871000A1900961	FOOD PET STEW 14 OZ.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
871000A2050201	CAT FOOD TUNA N-SAUC	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
871000A2050841	CAT FD SUPER SUPPER	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
871000A2051001	CAT FOOD LIVER N'CRE	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
871000A2051221	CAT FD MACKEREL DINN	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
871000A2820241	DOG CHOW REG 10 LB N	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
871000A2820641	CAT CHOW ORIGINAL BL	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
871000A2820721	CAT CHOW REG 4 LB NR	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
871000A2821341	PET FD SEAF000 1 20Z	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
871000A2822701	PET FOOD TUNA 1 20Z	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
871000A2822751	PET FOOD LIVER 1 20Z	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
871000A2822801	PET FOOD BEEF 1 20Z	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
871000A2822851	PET FOOD GOURMET 1 2	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
89050012640201	LUNCH MEAT6 LB CAN	1	2	2	1	3	2	2	2	2	.	.	.	.	2	2
89050012879141	CLAMS CND 49 OR 510Z	5	4	4	4	2	.	.	.	5	2	.	.	.	.	.
89050026700401	TUNA 6.5-76.5-7 OZ	.	.	1	.	.	.	.	.	5	2	.	.	.	.	.
89050058213431	SARDINES CAN	.	.	.	2	1	.	.	.	.	.	.	.	.	.	.
890500641189411	TUNA12.50Z12.5-13 OZ	.	.	2	.	.	.	.	.	4	5	.	.	.	2	1
89050093531611	TUNA 4LB #60X408CN	2	2	1	.	1	.	.	.	1	2	.	.	.	2	1
890500A0200171	HAM CHOPPED 1 20Z. A	2	2	1	.	.	.	.	.	.	.	.	5	.	.	.
890500A0200501	VIENNA SAUSAGE 5 OZ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
890500A0201321	POTTED MEAT 5-1/ 20Z	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
890500A0201341	BEEF SLICED DRIED 2	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
890500A08040121	SPAM DEVILED LUNCHEO	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
890500A08040131	CHICKEN BREAST OF CH	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
890500A08040141	TURKEY TENDER CHUNK	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
890500A08040281	HAM CANNED BLACK LAB	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
890500A08040561	SPAM 7 OZ #376013 HD	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.

LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NNS	NDS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SDB	SDO	SDU	SMS	SRS
890500A0840611	SPAM 1 20Z TIN CN #1	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
890500A0840631	SPAM SMOKE FLAVORED	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
890500A0841051	IAM TENDER CHUNK 6-3	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
890500A0970071	CHICKEN CHUNK WIT &	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
890500A2390961	ANCHOVIES FLAT IN O.	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.
890500A2391651	CLAMS SMOKED 3.66 OZ	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
890500A2820211	TUNA LIGHT CHUNK PK	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
890500A2820271	TUNA CHUNK LT WATER	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
890500A2820281	TUNA FISH LIGHT CHUN	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.
890500A3481051	VIENNA SAUSAGE 48/5	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
890500A3481191	CORN BEEF STH AMER 2	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
890500A3481611	SALMON RED 24/7.75 O	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
890500A3482121	SALMON PINK 24/15.5	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
890500A3703001	LUNCHEON MEAT PREM 1	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
890500A3911001	POLISH STYLE SAUS 9	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
890500A3990131	KIPPER SNACKS 3 1/4	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
890500A4190521	SHRIMP REG SMALL 4-1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
890501V0309221	SARDNS BRSLG 3 3/4OZ	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.
890501V0309241	SRDNS SOY/OI 3 3/4OZ	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.
890501V0309261	SARDNS WUSSC 3 3/4OZ	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
89100012634431	MILKEV14.514.5 OZ CN	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
89100061601601	CHEESE GRT3 OZ	2	1	.	.	.	.	.	.	.	.	.	3	.	.	.
89100078233161	SOURCRMSXPACKAGE	2	1	.	.	.	.	.	.	.	.	.	3	.	.	.
89100078237651	CHEESE GRT1 LB CO	1	.	2	5	.	.	.	.	.	.	.	.	.	.	.
89100096515531	EGG MIX #3/3 CYL CAN	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1282441	CREMORA NON-DAIRY CR	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.
891000A3440051	MILK EVAPORATED SMALL	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
891000A3440151	MILK EVAPORATED TALL	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891000A3444271	CREAM SOUR IMITATION	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
891000A3700041	MILK EVAPORATED TALL	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
891000A3700081	MILK EVAPORATED BABY	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
89150008101201	BEANKDNY 2 2LB BAG	2	2	2	2	2	2	3	1	4	3	.	2	2	.	2
89150008516501	JCEGRPTS3 #3 CYL CAN	1	3	2	2	2	2	3	1	4	3	.	2	2	.	1
89150012718791	BLUBERY 10/10 CAN	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150012779951	PEAS DRY 1 LB PKG	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150012792851	PEAS 303 #303 CAN	.	3	.	.	.	.	.	.	.	.	.	2	2	.	5
89150012796771	POT WH 10 #10 CAN	2	1	2	3	2	.	.	.	.	.	.	.	.	.	.
89150013062511	JUICE VEG3/3 CYL CAN	5	1	.	.	.	.	.	.	.	.	.	.	.	.	.
89150013263481	APPLSE 303/303 CAN	.	.	2	.	.	.	.	.	.	.	.	4	.	.	3
89150014108331	JCEGRFT053/3 CYL CAN	3	1	1	1	2	1	.	.	.	.	.	2	.	.	2
89150014667131	BEANKDN303/303 CAN	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.
89150014915711	GARLICDEHY1 2DZGL JR	2	.	1	.	.	.	.	.	.	.	.	.	.	.	2
89150017049381	BEANPIN1LB1 LB CO	2	4	2	5	2	.	.	.	.	.	.	1	2	.	4
89150018371351	JCEA51/4-65 1/4-6 OZ	2	1	1	.	.	.	.	.	.	.	.	2	.	.	2
89150018456011	BEANS/PORK#10 CAN	1	1	2	2	1	2	.	.	.	.	.	1	4	.	1
89150020509371	JCE051/4-65 1/4-6 OZ	1	4	1	4	3	3	.	.	.	.	.	2	2	.	2
89150020509381	JCEPINEAPLS-1/2-6FLZ	1	.	2	2	.	.	.	.	.	.	.	.	.	.	.
89150020509391	PEARS 821LB-3/4 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150022358001	JCEG51/4-65 1/4-6FLZ	1	1	2	.	.	.	.	.	.	.	.	.	.	.	.
89150022360901	JCE151/4-65 1/4-6 OZ	2	2	1	2	2	.	.	.	.	.	.	4	.	.	2
89150024128001	JUCEORNG #3 CYL CAN	.	.	.	.	.	.	.	.	.	.	.	2	.	.	4
89150024656341	CRNBRY WHL#300 CAN	4	.	.	.	.	.	.	.	.	.	.	5	.	.	.
89150024948731	PEPRS SWT #303 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NWS	NDS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
89150025180681	CRNBRYJ300/300 CAN	2	2	1	4	2		4		1	2		4		4	5
89150025505231	JUICE TOM/3/3 CYL CAN	3	1	2	2	2		4	3	5	1	1	2		2	5
89150025679931	JUICE VEG 5-1/2-8 OZ	2	1													
89150025739521	CORNCRM303/303 CAN	5							2	2	2		2		2	2
89150028118091	JUICE GRP 3/3 CYL CAN	4	1	1		2	2	3		1	1		1		3	2
89150028525461	SPINACH303/303 CAN									1	3		5		2	1
89150028654831	FRICKT21/2# 21/ 2CAN		2	1	2			2	3	1	3		2		2	1
89150058427951	PCHSHF21/2# 21/ 2CAN									4	5				2	1
89150058427961	PCHSSL21/2# 21/ 2CAN									1	5		5		2	2
89150061601961	BEANBLKEYEDRY 1 LB CO	5	2	2												
89150061602241	PEARHF21/2# 21/ 2CAN		5					2	1	1	1		3		4	4
89150061648161	BEANWAX303/303 CAN									2	2		2		1	2
89150061648171	BEANSTR 303/303 CAN		2	2	5	3		2		5	2		1		2	3
89150078263651	BEANSTOMSC/3 CYL CAN	4		2	2		2		1	4	2		4		1	1
89150085165641	CRNBRYJ/10/10 CAN							2	1	2	2		2		2	3
89150092667701	CORWH2/30/32VAC/303CN	4	2	2	3	2	1	2	2	1	1		1		1	3
89150092667931	BEANKONY 10/10 CAN															
89150097505301	PARSLEY 1-1/ 2OZ															
891500A0053651	GREENS COLLARD W/POR												2			
891500A0310201	JUICE GRAPE 24 OZ 20												5			
891500A0310671	JUICE TOMATO 3 2OZ												5			
891500A0311341	JUICE GRAPE 4 5-1/ 2												2			
891500A0421321	GREEN BEANS CUT #303												3			
891500A0421441	GREEN BEANS SLCD FRE												5			
891500A0421561	WAX BEANS CUT #303 C												2			
891500A0425751	TOMATOES DUCHESS CAL												2			
891500A0427721	POTATOES SLCD WHITE												2			
891500A0427841	POTATOES SM WHOLE WH												2			
891500A0429681	CARROTS WHOLE SMALL												3			
891500A0480051	BEANS, CHILI MEXICAN												2			
891500A0480081	BEANS PINTO RED 15 O												5			
891500A0770881	DRINK GATORADE 3 2Z												1			
891500A0772491	BEANS KIDNEY DARK RE												4			
891500A0775011	BEANS W/PORK NO.300												2			
891500A0775101	BEANS W/PORK 12/53												1			
891500A0775401	BEANS BUTTER NO.300												1			
891500A0776031	COLLARD GREENS #303												5			
891500A0800061	CRANBERRY SAUCE JELL												4			
891500A0800121	CRANBERRY SAUCE WHOL												4			
891500A080051	SAUCE APPLE 25 OZ MO												2			
891500A0850801	ASPARAGUS ALL GREEN												3			
891500A0850911	BEANS GREEN WHOLE NO												5			
891500A0851181	CORN WHLE KERNEL GOL												5			
891500A0851571	VEG POTATOES SHOESTR												2			
891500A0853101	FRUIT DRIED RAISINS												5			
891500A0855361	CHERRIES MARASCHINO												2			
891500A0970081	JUICE VEG COCKTAIL 1												2			
891500A0970161	JUICE VEG COCKTAIL 4												1			
891500A0970441	PORK & BEANS 16 OZ C												5			
891500A1280101	JUICE LEMON 3 2OZ R												1			
891500A1281321	JUICE LEMON 8 OZ REA												1			
891500A1281481	JUICE LEMON 4-1/ 2OZ												1			
891500A1281531	JUICE LIME 8 OZ REAL												1			

LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE									
		NDS	MWS	NDS	NPS	NRS	NVS	NXS	NZS	SAS	SBS
891500A1343601	BEANS RED KIDNEY BEA	.	.	.	.	.	.	.	.	.	.
891500A1344551	YAMS SMALL WHOLE 17	.	.	.	.	.	.	.	.	.	.
891500A1680161	JUICE APPLE 5 1/ 20Z	.	.	.	.	.	.	.	.	.	.
891500A1681211	APPLE SAUCE 24 OZ CH	.	.	.	.	.	.	.	.	.	.
891500A1681311	APPLE CIDER LITTLE B	.	.	.	.	.	.	.	.	.	.
891500A1922351	POTATO IDAHO SPUDS I	.	.	.	.	.	.	.	.	.	.
891500A2400081	VEGETABLES MIXED 16	.	.	.	.	.	.	.	.	.	.
891500A2640121	BEANS DRY GREAT MORT	.	.	.	.	.	.	.	.	.	.
891500A2640181	BEANS DRY PINTO 24 O	.	.	.	.	.	.	.	.	.	.
891500A2640301	BEANS BLACKEYES DRY	.	.	.	.	.	.	.	.	.	.
891500A2640841	BEANS DRY KIDNEY RED	.	.	.	.	.	.	.	.	.	.
891500A2641051	LENTILS DRY 1 20Z HU	.	.	.	.	.	.	.	.	.	.
891500A2800071	POTATO FLAKES DEHY 8	.	.	.	.	.	.	.	.	.	.
891500A2800561	POTATOES AU GRATIN D	.	.	.	.	.	.	.	.	.	.
891500A2800631	POTATOES SCALLOPED D	.	.	.	.	.	.	.	.	.	.
891500A2800661	POTATOES HASH BROWN	.	.	.	.	.	.	.	.	.	.
891500A2940751	PRUNES PITTED 24-1 2	.	.	.	.	.	.	.	.	.	.
891500A2940951	ORANGES MANDARIN 24-	.	.	.	.	.	.	.	.	.	.
891500A2941551	FRUIT COCKTAIL 24-30	.	.	.	.	.	.	.	.	.	.
891500A2941601	FRUIT COCKTAIL 24-17	.	.	.	.	.	.	.	.	.	.
891500A2941651	FRUIT COCKTAIL 24-8.	.	.	.	.	.	.	.	.	.	.
891500A2942001	PEACHS Y.C. SLICED 2	.	.	.	.	.	.	.	.	.	.
891500A2942501	PEARS HALVES 24-29 O	.	.	.	.	.	.	.	.	.	.
891500A2942551	PEARS HALVES 24-16 O	.	.	.	.	.	.	.	.	.	.
891500A2943631	TROPICAL FRUIT SALAD	.	.	.	.	.	.	.	.	.	.
891500A2944771	JCE PINE/PINK GRPFU	.	.	.	.	.	.	.	.	.	.
891500A2945371	RAISINS SEEDLESS 24-	.	.	.	.	.	.	.	.	.	.
891500A2946751	VEG ASPARAGUS ALL GR	.	.	.	.	.	.	.	.	.	.
891500A2947051	BEANS CUT GRN-BLUE L	.	.	.	.	.	.	.	.	.	.
891500A2947151	BEANS FRENCH STYLE S	.	.	.	.	.	.	.	.	.	.
891500A2947251	BEANS SEASON SLICE 2	.	.	.	.	.	.	.	.	.	.
891500A2947401	BEANS LIMA 24-17 O13	.	.	.	.	.	.	.	.	.	.
891500A2947951	CORN CRM STYLE GOLDE	.	.	.	.	.	.	.	.	.	.
891500A2948101	CORN WK FAM STYLE GL	.	.	.	.	.	.	.	.	.	.
891500A2948501	PEAS EG BLENDED 24-1	.	.	.	.	.	.	.	.	.	.
891500A2948551	PEAS EG BLENDED 24-8	.	.	.	.	.	.	.	.	.	.
891500A2948651	PEAS & CARROTS 24-16	.	.	.	.	.	.	.	.	.	.
891500A2949101	SPINACH LEAF 24-15 O	.	.	.	.	.	.	.	.	.	.
891500A2949301	VEG TOMATOE PEEL 24-	.	.	.	.	.	.	.	.	.	.
891500A2949551	TOMATO PASTE 48-6 Z	.	.	.	.	.	.	.	.	.	.
891500A3281021	BIG JOHN'S BEANS'N F	.	.	.	.	.	.	.	.	.	.
891500A3281501	TOMATOES STEWED #300	.	.	.	.	.	.	.	.	.	.
891500A3281681	TOMATOES PLD WHO # 2	.	.	.	.	.	.	.	.	.	.
891500A3281851	TOMATOES PLD ITAL ST	.	.	.	.	.	.	.	.	.	.
891500A3282251	PASTE TOMATO 96/6 OZ	.	.	.	.	.	.	.	.	.	.
891500A3282301	PUREE TOMATO PIC 10-	.	.	.	.	.	.	.	.	.	.
891500A3284451	PUREE TOMATO 24/15 O	.	.	.	.	.	.	.	.	.	.
891500A3410281	APPLESAUCE 35 OZ MOT	.	.	.	.	.	.	.	.	.	.
891500A3482791	JUICE GRAPEFRUIT UNS	.	.	.	.	.	.	.	.	.	.
891500A3485701	JUICE TOMATO 8/6 PAC	.	.	.	.	.	.	.	.	.	.
891500A3485791	JUICE TOMATO 12/46 O	.	.	.	.	.	.	.	.	.	.
891500A3486631	JUICE ORANGE UNSWTN	.	.	.	.	.	.	.	.	.	.
891500A3640281	PEAS BLACKEYE WITH B	.	.	.	.	.	.	.	.	.	.

LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NNS	NDS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDO	SDU	SMS	SRS
891500A3640641	YAMS LOUISIANA NR 3	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
891500A3700401	TOMATO PASTE 6 OZ CN	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
891500A3701631	TOMATOES STEWED 14.5	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
891500A3702251	TOMATOES SOLID PK RN	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
891500A4210121	PINEAPPLE FANCY SLIC	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
891500A4210661	PINEAPPLE CRUSHED FA	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
891500A4210961	JUICE PINEAPPLE FANC	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
891500A4211081	JUICE PINEAPPLE 6PK	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.
891500A4211601	PINEAPPLE SLCD FNCY	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
891500A4220521	PEAS EARLY JUNE 3 SV	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
891500A4220601	CORN MEX W.K.W/PEPPE	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
891500A4220681	CORN NIBLET W.K. 1 2Z	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
891500A4221241	CORN WHITE SHOE PEG	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A4221281	CORN CREAM STYLE 17	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A4221401	ASPARAGUS FCY X-LONG	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
891500A4222011	SALAD 3-BEAN 12/17 O	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
891500A4790441	MUSHROOMS STEMS/PCS	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
891500A4790601	MUSHROOMS FANCY SLIC	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A4790761	MUSHROOMS FANCY BUTT	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
891500J9000751	PEPPERONCINI PEPPERS	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
891500J9007341	JUICE APPLE 12/46 O	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
891500J9009081	JUICE ORANGE FROM CO	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
89200004353521	TACOSHHELLSPACKAGE	1	.	.	.	.	.	.	.	.	.	.	2	.	.	.
89200006761461	MACARONI 10 LB BX	2	3	2	1	2	2	1	2	4	1	1	4	.	.	1
89200011884621	CRLSHMHTB1500R70INDV	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200012594411	SPAGHETTI 1010 LBS	1	4	2	2	2	2	1	2	4	2	1	5	.	.	2
89200012633881	NOODLES 51B5 LBS	4	2	2	2	1	2	2	2	2	2	4	1	.	.	2
89200012789381	CRLBRANFLK500R70INDV	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200012797771	HOMINY WHOL# 21/ 2CAN	1	2	.	2	2	.	.	.	.	.	.	.	.	.	.
89200013277821	CEREALASST700R100IND	1	2	3	2	2	2	.	1	2	.	.	1	.	.	.
89200014077481	FLRWT 10LB 10 LB BG	2	1	1	2	1	2	2	1	1	1	.	2	.	.	2
89200014077491	FLRWT 50LB 50 LB BG	.	.	.	.	.	.	.	.	1	2	.	.	.	.	4
89200016061651	STRCHEDCRN1 LB	2	1	2	3	1	2	2	4	1	1	1	2	.	.	1
89200016404461	CRLDTSPUF50 INDSEV	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200016404481	CRLBREW/R500R70INDV	2	.	1	5	.	.	.	.	.	.	.	.	.	.	.
89200016588631	FLRWTB 1010 LB BG	1	2	1	5	1	2	2	2	1	1	.	2	.	.	1
89200016588641	FLRWTB 5050 LB BG	1	.	.	.	.	.	.	.	1	2	.	2	.	.	2
89200016832961	C00KYNXCN#10 CAN	3	.	.	.	.	.	.	.	1	2	.	2	.	.	4
89200017111471	CRLWHTPUFF500R70INDV	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200017111521	CRLSHWHB1550 INDSEV	2	.	.	.	.	.	.	.	1	1	.	2	.	.	5
89200017504291	C00KYNXSUG#10 CAN	2	.	.	.	.	.	.	.	.	.	.	2	.	.	.
89200019413911	CKMYELLOW18-20 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200022206011	NODLECHMNA#10 CAN	1	1	2	2	2	2	.	2	.	.	.	.	.	.	.
89200022819481	CUP ICECRMCP	1	1	.	.	.	.	.	.	.	.	.	.	.	.	.
89200023899701	FRY MIX BRBAG	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200025238381	CRACKRSODA1 OR 2LBS	2	1	2	3	.	2	.	.	.	.	.	.	.	.	.
89200025740181	CEREAL WW 2 20Z	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200026998281	CRLRICEPUF500R70INDV	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200027289391	CRLCORNFLK500R70INDV	1	.	1	2	.	.	.	.	.	.	.	.	.	.	.
89200027381921	CRLCORNPUF500R70INDV	5	.	2	2	.	.	.	.	1	1	2	4	.	.	2
89200043549181	CORNBDMIX#10 CAN	2	2	2	4	2	.	.	.	.	.	.	.	.	.	.
89200046350191	CRLNFKCRUMLB	2	.	.	3	.	.	.	.	.	.	.	.	.	.	.
892000530 2351	RICE 10LBS10 LB BAG	4	2	2	2	1	2	5	3	1	4	4	1	.	.	2

LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
892000S5968641	CRACKERS/DAPACKAGE	1	2	2	.	.	1	2	.	.	.	.	2	.	.	.
892000S7759911	CRLRICEFLK500R70INDV	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000S8464401	BARLEY 1 LB BX	1	.	1	.	.	.	.	.	.	.	.	.	.	.	.
892000S1600241	CORNML240224 OZ	1	.	2	2	2	.	.	.	.	.	.	.	.	.	.
89200078221291	LASAGNANDLCTN	1	2	2	1	2	4	.	.	2	1	.	2	.	2	1
89200078229811	CKMXSPICE 18-20 OZ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
89200078229821	CKMXWHITE 18-20 OZ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
89200078263531	PANCKMXWH10 CAN	2	2	4	.	2	2	.	4	2	1	.	1	.	1	4
89200082372211	CAKENIX DF5 LB	4	2	2	2	2	2	2	1	2	2	2	2	.	1	2
89200082372231	CAKENIX GB5 LB	2	2	2	1	2	.	.	.	1	2	.	2	.	4	2
89200082372271	CAKENIX WH5 LB	2	2	2	1	2	2	2	2	2	1	5	2	.	2	2
89200082372291	CAKENIX YL5 LB	4	.	2	2	2	2	2	2	2	2	2	2	.	5	2
89200092615391	SWDOUGHMX#10 CAN	5	.	1	1	2	.	.	.	2	2	.	1	.	.	2
89200092649171	STARCH #10/10 CAN	2	.	.	.	.	.	.	.	2	1	.	.	.	2	.
89200092660161	BISCMIX#10/10 CAN	2	2	1	.	1	.	.	3	2	5	.	4	.	1	2
89200092660171	ROLL MIX #10 CAN	.	.	.	.	.	.	.	.	2	1	.	1	.	1	.
89200092660181	DONUT MIX #10 CAN	2	4	.	.	.	.	.	.	4	2	.	.	.	2	.
89200093532621	BRWNMXCHOC#10 CAN	1	2	2	2	1	3	.	.	4	1	.	4	.	2	2
89200093532631	BRWNMXB/S#10 CAN	1	.	.	.	.	.	.	.	1	2	.	1	.	4	1
892000A0115841	STARCH CORN 1 LB ARG	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0420331	RICE EXTRA FANCY BLU	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
892000A0420771	RICE EXTRA LONG GRAI	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
892000A0490781	CAKE MIX ANGEL FOOD	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0491081	MUFFIN MIX BLUE BERR	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0491261	CAKE MIX BUTTER RECI	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
892000A0491991	CAKE MIX FUDGE MARBL	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0492211	CAKE MIX LEMON SUPRE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0492371	CAKE MIX SWISS CHOC	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0492591	BROWNIE MIX FAMILY 2	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0500031	MIX CAKE ONE LAYER B	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0500151	FLOUR ENR KITCHEN TE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0500701	FLOUR ENR SELF RISIN	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0500921	FLOUR INSTANTIZED EN	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
892000A0501371	MIX PIE CRUST STICKS	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0501911	MIX CAK WHITE 18.5 Z	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0501961	MIX CAK DEVILS FD 1	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.
892000A0502851	MIX CAK CHOC GERMAN	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0503011	MIX CAK/APPLSCS RAS	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0503111	COOKIE MX CHOC CHIP	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0503141	COOKIE MX OATMEAL 30	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0503591	MIX BROWNIE FUDGE SU	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0503851	CAKE GLND POUND 16 Z	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0505091	CEREAL LUCKY CHARMS	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
892000A0506001	CEREALS WHEATIES 1 2	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0506251	CEREAL CHEERIOS 15 Z	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
892000A0506901	BISQUICK NEW 40 Z BI	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A05080611	CEREAL HONEYCOMB RTE	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0580971	CEREAL ALPHA BITS 10	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0582081	CEREAL MINUTE 28 OZ PG	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0582421	STUFF MX CHKN 6 OZ	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0584141	CEREAL GRAPE NUTS 16	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0584991	CEREAL FRUIT 11 OZ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0870051	CEREAL OAT QUICK 18	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.

LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NWS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SDS	SDU	SMS	SRS
892000A0870401	CORNMEAL YELLOW ENR	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A0870821	GRITS HOMINY INSTANT	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A0870931	GRITS HOMINY ENR QUI	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A0871871	CEREAL NATURAL 100 %	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A0872301	MIX PANCAKE ORIGINAL	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A0872651	MIX PANCAKE BUTTERM	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A0872821	MIX PANCAKE COMPLETE	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A0872851	MIX CORNBREAD EASY 1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A0876541	CEREAL CAP N CRUNCH	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A0880571	COOKIE MIX CHOCOLATE	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A0960361	MACRONI ELBOW 1 LB M	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A0960801	SPAGHETTI THIN 3 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A0961081	NOODLES EGG FINE 1 2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1170081	MIX MUFFIN CORN 8.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1210071	CEREAL MINI - WHEATS	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1210201	CEREAL CORN FLAKES 1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1210981	CEREAL RAISIN BRAN 2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1213121	POP-TARTS STRAWBERRY	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1213251	POP-TARTS FROSTED DU	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1213301	POP-TARTS FROSTED CI	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1213351	POP-TARTS FROSTED GR	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1213451	POP-TARTS FROSTED BL	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1213551	POP-TARTS FROSTED ST	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1213601	POP-TARTS FROSTED CH	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1336141	CRACKERS CHEEZ-IT 16	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1336451	CRACKERS KRISPY 8 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1350591	NOODLES EGG MEDIUM 1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1350661	NOODLES EGG BROAD 1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1500031	CRACKERS BACON FLAVO	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1500091	CRACKERS DATE SPICED	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1500371	CRACKERS CHICKEN IN	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1500961	COOKIE ASSORTMENT FA	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1501231	CRACKERS GRAHAM 16 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1501861	CRACKERS SALTINES PR	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1502251	CRACKERS RITZ 1 20Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1502431	CRACKERS SOCIABLES 8	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1502641	CRACKERS GRAHAM HONE	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1502761	CRACKERS TRISCUIT WA	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1502851	COOKIES NILLA WAFERS	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1502921	CRACKERS WHEAT THINS	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1506841	CEREAL SHREDDED WHEA	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1507221	CEREAL FARINA QUICK	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1541351	PANCAKE MIX EXTRA LGH	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1541851	MX NUT BREAD QUICK 1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1541901	MX BANANA BREAD QUIC	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1542651	MX BROWNIE WALNUT 23	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1542801	MX HOT ROLL 13.75 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1543151	FLOUR PILLSBURY BEST	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1543571	MX PIE CRUST 11 OZ 6	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1543601	MX CORN BREAD 19 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1960121	RICE LONG GRAIN 2LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1960211	RICE BROWN 12/1 LB U	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A1960421	RICE MIX LONG GRAIN	.	.	.	.	.	.	.	.	.	.	.	.	.	.

LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NMS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDU	SMS	SRS
892000A2160061	CEREAL WHEAT GERM 1 2	.	.	.	.	.	.	.	.	.	.	2	.	.
892000A 231371	RICE PLUMP TENDER GR	.	.	.	.	.	.	.	.	.	.	5	.	.
892000A 232031	RICE BLUE ROSE 10 LB	.	.	.	.	.	.	.	.	.	.	3	.	.
892000A2230881	COOKIES FIG BARS 15	.	.	.	.	.	.	.	.	.	.	2	.	.
892000A2233811	CRACKERS GRAHAM DELU	.	.	.	.	.	.	.	.	.	.	2	.	.
892000A2233861	CRACKERS HONEY GRAHA	.	.	.	.	.	.	.	.	.	.	2	.	.
892000A2234021	COOKIES ICED RAISIN	.	.	.	.	.	.	.	.	.	.	2	.	.
892000A2234071	COOKIES RICH' CHIPS	.	.	.	.	.	.	.	.	.	.	2	.	.
892000A2234241	CRACKERS CLUB SPRAYE	.	.	.	.	.	.	.	.	.	.	2	.	.
892000A2234291	CRACKERS TOWN HOUSE	.	.	.	.	.	.	.	.	.	.	2	.	.
892000A2234401	SALTINES ZESTA 16 OZ	.	.	.	.	.	.	.	.	.	.	2	.	.
892000A2234781	COOKIES PECAN SANDIE	.	.	.	.	.	.	.	.	.	.	4	.	.
892000A2236711	CONE SUGAR 4 OZ 1 2C	.	.	.	.	.	.	.	.	.	.	2	.	.
892000A2820201	CEREAL WHEAT CHEX 15	.	.	.	.	.	.	.	.	.	.	1	.	.
892000A2820701	CEREAL CORN CHEX 16	.	.	.	.	.	.	.	.	.	.	2	.	.
892000A3950301	SPAGHETTI 1 LB LA RO	.	.	.	.	.	.	.	.	.	.	2	.	.
892000A3950381	BREAD CRUMBS FLAVORE	.	.	.	.	.	.	.	.	.	.	2	.	.
892000A3950401	MACRONI SHELLS 1 LB	.	.	.	.	.	.	.	.	.	.	2	.	.
892000A3950651	MACRONI VERNICELLI 1	.	.	.	.	.	.	.	.	.	.	2	.	.
892000A3950951	MACRONI ELBOW 16 Z	.	.	.	.	.	.	.	.	.	.	5	.	.
892000A3952001	RIGOLETTI (ROTINI) 1	.	.	.	.	.	.	.	.	.	.	5	.	.
892000A3952451	LASAGNE RIBBED 1 LB	.	.	.	.	.	.	.	.	.	.	2	.	.
892000A3953301	NOODLES EGG WIDE FLU	.	.	.	.	.	.	.	.	.	.	2	.	.
892000A3953351	NOODLES EGG MED. FLUF	.	.	.	.	.	.	.	.	.	.	5	.	.
892000A4010121	RICE EXTRA LONG GRAI	.	.	.	.	.	.	.	.	.	.	1	.	.
892000A4921431	NOODLES RAMEN TOP OR	.	.	.	.	.	.	.	.	.	.	5	.	.
892000A4921441	NDLS RAMEN TOP BEEF	.	.	.	.	.	.	.	.	.	.	1	.	.
892000A4921451	NOODLES RAMEN TOP CH	.	.	.	.	.	.	.	.	.	.	5	.	.
892000A4921461	NOODLES RAMEN TOP PO	.	.	.	.	.	.	.	.	.	.	2	.	.
892000A4921551	CUP O'NOODLES SHRIMP	.	.	.	.	.	.	.	.	.	.	5	.	.
892000A4921561	CUP O'NOODLES BEEF F	.	.	.	.	.	.	.	.	.	.	2	.	.
892000J9001241	BREAD CRUMBS 24/10 O	.	.	.	.	.	.	.	.	.	.	4	.	.
892000J9007351	TOAST PLAIN MELBA 1 2	.	.	.	.	.	.	.	.	.	.	2	.	.
892000L0991201	STUFFING HERB SEASON	1	.	2	.	.	.	.	.	.	.	1	.	.
89250012594541	MOLASSES # 21/ 2CAN	2	2	2	2	2	5	2	5	4	.	4	4	4
89250012640241	CANDY HARD3 LB CN	1	1	2	1	1	2	.	1	.	.	5	.	.
89250012805651	NUTSMXSHL#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.
89250022206251	COCONUT #3/3 CYL CAN	.	.	.	.	.	.	.	.	.	.	.	.	.
89250022355041	SUGAR 35LB35 LBS	1	2	.	.	.	.	.	.	.	.	1	.	.
89250025259501	WALNUTS 1 LB	2	.	1	.	.	.	.	.	.	.	5	.	.
89250025638141	PECANS 1 LB CAN	1	2	.	.	.	.	.	.	.	.	.	.	.
89250061601851	CHOCULTS#10/10 CAN	1	4	1	.	.	.	.	.	.	.	.	.	.
89250068267051	SYRUP #10 #10 CAN	4	4	2	.	.	.	.	.	.	.	2	2	2
89250068267081	SYRUP 21-2# 21/ 2CAN	1	1	1	2	.	.	.	.	.	.	2	.	.
89250078233181	CHOCCK12021 20Z	3	.	.	.	.	.	.	.	.	.	3	1	1
89250093532601	ICING MX C#10 CAN	1	.	3	.	.	.	.	.	.	.	2	2	1
89250093532611	ICING MX V#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.
89250096515521	MARSHMALLO1 LB CO	.	.	.	.	.	.	.	.	.	.	4	.	.
892500A0110521	SYRUP RED LABEL PINT	.	.	.	.	.	.	.	.	.	.	5	.	.
892500A0300121	SYRUP LARGE 24 FL O	.	.	.	.	.	.	.	.	.	.	1	.	.
892500A0400371	COCONUT SHREDDED POL	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0401011	COCONUT FLAKE POLY 7	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0421361	HONEY PURE 16 OZ KRA	.	.	.	.	.	.	.	.	.	.	5	.	.

LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	NDS	MNS	NOS	NPS	MRS	NVS	NXS	NZS	SAS	SBS	SD8	SDO	SDU	SMS	SRS
892500A0482241	SALTED MX NUT(NO PNT	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892500A0482281	NUTS MIXED W/PEANUTS	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
892500A0482581	SALTED SUNFLOWER NUT	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892500A0552401	CHOCOLATE BAKING 1/ 2	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892500A0552681	SYRUP CHOCOLATE 16 O	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
892500A0581871	COCONUT FLAKES ANGEL	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.
892500A0583911	SYRUP LOG CABIN 24 O	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892500A0870081	SYRUP 24 OZ AUNT JEM	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892500A0882671	CHOCOLATE SEMI-SWEET	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892500A0882681	CHOCOLATE MORSELS SE	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892500A0900011	ALMONDS SHELLED SMOK	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892500A0900021	ALMONDS BARBECUE 6 O	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892500A1284801	MARSHMALLOWS WHITE E	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.
892500A1410251	SYRUP PANCAKE 24 OZ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892500A1660301	HONEY 1 LB CLOVER NR	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892500A1661101	HONEY SPUN 1 LB NR 3	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
892500A2631721	GUM CHWNG CINNAMON 3	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.
892500A3310251	TOPPING 7 1/ 2OZ MAR	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
892500A3611261	NUTS WALNUT ENGLISH	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892500A4810151	NUTS ALMOND BLANCHED	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
892500A4810151	CANDY CARAMELS 14 OZ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892500L0370041	JUNIOR BLOW POPS MED	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.
89300012907951	MARMALADE 2LB JAR	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
89300054376021	PNUTBTS2LB# 21/ 2CAN	3	.	2	.	.	.	3	2	.	.	.	.	.	.	.
893000A0115261	PEANUT BUTTER CHUNK	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
893000A0115501	PEANUT BUTTER CREAMY	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
893000A0310101	JELLY GRAPE 20 OZ 50	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
893000A0310251	JAM GRAPE 20 OZ 511-	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
893000A0492381	PEANUT BUTTER CRUNCH	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
893000A0780261	PEANUT BUTTER SMOOTH	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
893000A3250331	PRESERVES BLUEBERRY	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
893000A3250471	PRESERVES GRAPE JAM	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
893000A3251011	PRESERVES APRICOT 18	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
893000A3251031	PRESERVES CHERRY RED	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
893000A3251301	PRESERVES STRWBRY JA	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
893000A3253391	PRESERVES BLKBRY JAM	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
893000A4811591	JELLY GRAPE 2LB #54	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
893000A4813051	PRESERVES GRAPE 18 O	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
893000A4813151	PRESERVES PEACH 18 O	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
893000A4813201	PRESERVES PINEAPPLE	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
893000A4813251	PRESERVES STRAWBERRY	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
893000A4813301	PRESERVES RED RASPB	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
893000A4814691	JELLY APPLE 18 OZ #5	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
89350023462171	SOUPBASEBF# 21/ 2CAN	2	1	2	2	2	2	3	4	3	1	.	1	.	2	2
89350041943221	SUPCBARW/B#3 CYL CAN	1	.	1	2	.	.	.	.	.	.	.	.	.	.	.
89350048045501	SUPCBN/BAC#3 CYL CAN	4	2	1	.	4	.	.	.	.	.	.	.	.	.	.
89350048045521	SUPCNBFDNL#3 CYL CAN	2	1	2	2	.	.	.	.	.	.	.	.	.	.	.
89350048045531	SUPCNCNDL#3 CYL CAN	1	2	.	2	1	.	.	.	.	.	.	.	.	.	.
89350048045541	SUPCNCNH/R#3 CYL CAN	1	4	.	2	.	.	.	.	.	.	.	.	.	.	.
89350048045551	SUPCNCRCI#3 CYL CAN	1	3	2	.	.	.	.	.	.	.	.	.	.	.	.
89350048045561	SUPCNCR/MU#3 CYL CAN	2	1	1	.	.	.	.	.	.	.	.	.	.	.	.
89350048045591	SUPCNSPEA#3 CYL CAN	3	2	.	1	.	.	.	.	.	.	.	.	.	.	.
89350048045601	SUPCNCMINST#3 CYL CAN	2	.	4	2	.	.	.	.	.	.	.	.	.	.	.

LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE														
		NDS	NVS	NDS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
89350048045611	SUPCN TOM #3 CYL CAN	2	1	2	1	2	.	.	.	.	.	.	.	.	.	.
89350048045631	SUPCN VEG #3 CYL CAN	2	2	.	.	.	.	.	.	.	.	.	.	.	.	.
89350048045641	SUPC VEGW/B#3 CYL CAN	2	1	.	2	.	.	1	.	.	.	.	.	.	.	.
89350048045651	CLAMCHOW#3 CYL CAN	2	3	.	2	2	.	.	.	.	.	.	.	.	.	.
89350054377891	SUPBASECK 21/ 2CAN	1	2	1	2	1	4	.	.	.	.	2	.	.	.	.
893500A0970031	SOUP CONO TOMATO NO	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.
893500A0970061	SOUP CONO BEAN W/BAC	.	.	.	.	.	.	.	.	.	.	5	.	.	.	.
893500A0970091	SOUP CONO CREAM OF C	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.
893500A0970181	SOUP CONO VEGETABLE	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.
893500A0970271	SOUP CONO BEEF NOLE	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.
893500A0970331	SOUP CONO CREAM OF C	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.
893500A0970391	SOUP CONO CHICKEN NO	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.
893500A0970421	SOUP CONO CHKN W/RIC	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.
893500A0970451	SOUP CONO CHKN & STA	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.
893500A0970511	SOUP CONO MINESTRONE	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.
893500A0970541	SOUP CONO CREAM OF M	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.
893500A0970601	SOUP CONO TURKEY NOO	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.
893500A0970661	SOUP CONO VEG BEEF N	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.
893500A0970671	SOUP CONO CHKN NOLE -	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.
893500A0970781	SOUP CONO CRM OF POT	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.
893500A0970811	SOUP CONO TOMATO RIC	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.
893500A0970821	SOUP CONO CHKN BROTH	.	.	.	.	.	.	.	.	.	.	4	.	.	.	.
893500A0970991	SOUP CONO CHSE CHEDD	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.
893500A0971051	CLAM CHOWDER CONO MA	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.
893500A0971081	SOUP CONO CONSUMME N	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.
893500A0971181	SOUP CONO CRM OF SHR	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.
893500A0971741	SOUP BEEF CHUNKY 19	.	.	.	.	.	.	.	.	.	.	5	.	.	.	.
893500A0971831	SOUP CHICK NOLE 19 O	.	.	.	.	.	.	.	.	.	.	5	.	.	.	.
893500A0974751	SOUP CONO CHKN VEG N	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.
893500A1283841	BOUILLON INSTANT BEE	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.
893500A1283921	BOUILLON INSTANT CHI	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.
893500A1350081	SOUP MIX NOLE W/REAL	.	.	.	.	.	.	.	.	.	.	5	.	.	.	.
893500A1350211	SOUP MIX ONION 2-1-	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.
893500A1350631	SOUP MX CKN NDL W/CK	.	.	.	.	.	.	.	.	.	.	5	.	.	.	.
893500A1351181	CUP-A-SOUP MX INST C	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.
893500A1351191	SOUP-CUP-A MIX CREAM	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.
893500A1353261	SOUP MIX CHKN NOODLE	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.
893500A1353291	SOUP-CUP-A MIX BEEF	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.
893500A3830261	BOUILLON CUBES CHICK	.	.	.	.	.	.	.	.	.	.	4	.	.	.	.
89400008060411	SCMX TOMBS# 21/ 2CAN	2	1	2	.	.	1	3	3	1	2	.	.	.	.	.
89400012633941	CHILI W/OBNG.75 LBS	1	1	.	.	.	.	.	.	.	.	.	.	.	.	.
89400012772971	MINGCEMEAT #10 CAN	1	1	.	.	.	.	.	.	.	.	.	.	.	.	.
89400013186911	DESSERTBTRS#10 CN	2	.	.	.	.	.	.	1	2	.	.	.	.	.	.
89400014871421	HASHCRNDBF#10 CN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400045130231	PIFILLPREL#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400047890731	PIEFILLBLU#10 CAN	1	1	2	2	1	.	2	4	1	.	2	1	4	5	.
89400048045351	TOPICRMPIN#10 CAN	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400048045361	TOPICRMB/S#10 CAN	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400048045381	TOPICRMBW#10 CAN	2	1	.	.	.	.	.	.	.	.	.	.	.	.	.
89400048045481	RAVIOLI #10 CAN	2	2	2	2	2	2	1	4	2	.	2	.	.	.	.
89400048045491	TAMALES BF#10 CAN	3	1	2	4	1	.	2	.	.	.	.	.	.	.	.
89400061601271	MERINGUPWD#2-1/ 2CAN	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400061602261	PIEFILLAPL#10 CAN	2	.	2	2	1	2	1	4	2	.	1	.	4	2	.

LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE																SRS			
		NDS	MNS	NOS	NPS	MRS	NVS	NXS	NZS	SAS	SB	SD	SD	SD	SD	SD	SD	SMS	SMS	SMS	SRS
89400061602271	PIEFILLCHR#10 CAN	2	1	2	1	3	2	1	3	4	2	2	2	2	2	2	2	1	2		
89400061602281	PIEFILLPCW#10 CAN	1	1	2	2	2	2	1	2	4	2	2	2	2	2	2	2	1	2		
89400064189611	DESSERTCHW# 21/ 2CAN	1	2	2	2	5				4	2							1	4		
89400064189621	DESSERTLEWH# 21/ 2CAN	1	1	2						2	1							2	1		
89400064189631	DESSERTILME# 21/ 2CAN	1	2	1	2					1	4							2	4		
89400064189641	DESSERTORNG# 21/ 2CAN	3	1	2		5				1	2							4	1		
89400064189651	DESSERTTRASP# 21/ 2CAN	2	1	2						2	2							2	1		
89400064189661	DESSERTSTRW# 21/ 2CAN	3	1	2						2	4							2	1		
89400068266091	POPCORN 10 OZ CAN	2	1			2	1														
89400078229701	PIEFILLAPL# 2CAN																				
8940008837361	TOPPING 1 LB	3	1	2	2	1	2			2	1							1	2		
894000A0050051	BEEFARONI 15 OZ CHEF																				
894000A0050201	RAVIOLI BEEF 21/ 2L																				
894000A0050711	SPAGHETTI & MEAT BAL																				
894000A0050941	PIZZA MIX PEPPERONI																	5			
894000A0051191	RAVIOLI MINI 15 OZ C																	5			
894000A0052081	POPCORN W/BUTTER 4.5																	2			
894000A0052091	COATING VEGETABLE SP																	5			
894000A0054941	RAVIOLI BEEF 15 OZ C																	2			
894000A0150201	GRAVY MIX BROWN 0.87																	2			
894000A0480571	CHILI WITH BEANS 39																	5			
894000A0482031	TAMALES 15 OZ. GEBHA																	5			
894000A0500081	NOODLES ROMANOFF 5.5																	5			
894000A0500991	MX FROSTING SR CR CH																	2			
894000A0501021	MX FROSTING FLUFFY W																	1			
894000A0501621	MIX FROSTING INST CO																	5			
894000A0502341	SNACKS BUGLES 7 OZ 6																	1			
894000A0581211	GELATIN RED FLAVOR A																	2			
894000A0581261	GELATIN STRAWBERRY 6																	1			
894000A0581401	GELATIN CHERRY 6 OZ																	2			
894000A0582241	PUDNG LEMON 3 3/4 OZ																	2			
894000A0586201	PUDGING CHOCOLATE 8																	2			
894000A0586251	PUDGING VANILLA 3 1/																	5			
894000A0820261	MEAT RAVIOLI IN SAUC																	1			
894000A0840061	CHILI W/BEANS 7.5Z S																	2			
894000A0840101	CHILI CON CARNE W/BE																	2			
894000A0840271	HOT CHILI W/BEANS 7.																	2			
894000A0840301	CHILI CON CARNE NO/B																	2			
894000A0840461	BEEF STEW 7.5Z SHORT																	4			
894000A0840551	BEEF STEW 1.5 LB #21																	2			
894000A0840701	HASH CORNED BEEF 15																	3			
894000A0840751	NOODLES N-BEEF 7.5Z																	1			
894000A0840801	HASH ROAST BEEF 15 0																	5			
894000A0840861	BEANS-N HAM 7.5Z SHO																	1			
894000A0841981	CHILI MAC 7.5Z SHORT																	4			
894000A0842041	LASAGNA 7.5 OZ #1465																	1			
894000A0842051	SPAGHETTI-N-MEAT BAL																	1			
894000A0970191	BEANS & FRANKS 15-3/																	5			
894000A0970301	SPAGHETTI'S 14-3/4																	2			
894000A0970411	SPAG W/TOM SCE W/CHS																	2			
894000A0970741	SPAGHETTI W/MEAT BAL																	2			
894000A0971161	GRAVY BEEF 10-1/4 OZ																	1			
894000A0972121	CHICKEN A LA KING 10																	5			

LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SUB	SDQ	SDU	SMS	SRS
894000A0974831	CHICKEN N DUMPLINGS	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A0975001	GRAVY MUSHRM 10-1/ 2	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
894000A1090101	BFD STRND VEG & CHIC	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1090121	BFD STRND VEG & BEEF	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.
894000A1090151	BFD STRND VEG & BACO	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.
894000A1090241	BFD STRND CHN NOODLE	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1090401	BFD STRND TURKEY RIC	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090451	BFD STRND CARROTS 4.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090481	BFD STRND GREEN BEAN	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1090541	BFD STRND MX VEG 4.5	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090571	BFD STRND PEAS 4.5-4	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090601	BFD STRND SQUASH 4.5	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090631	BFD STRND SWEET POT	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090661	BFD STRND GARDEN VEG	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090711	BFD STRND CREAMED CO	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1090721	BFD STRND PEACHES 4.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090751	BFD STRND APPLESauce	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1090781	BFD STRND PEARS & PI	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090791	BFD STRND PEACH COBB	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1090801	BFD JUN PEACH COBBLE	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.
894000A1090821	BFD STRND JUICE ORAN	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1090831	BFD STRND JUICE APPL	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1090841	BFD STRND PEARS 4.5-	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1090851	BFD STRND JUICE ORAN	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090871	BFD STRND BANANAS W/	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1090881	BFD STRND JUICE APPL	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1090911	BFD STRND JUICE ORAN	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1090941	BFD STRND JUICE FRUIT	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1090951	BFD STRND JUICE APPL	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1090991	BFD STRND PLUMS W/TA	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1091001	BFD STRND JUICE APPL	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1091021	BFD STRND FR DES 4.5	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1091051	BFD STRND DUTCH APPL	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1091081	BFD STRND BAN W/P-AP	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
894000A1091261	BFD STRND CRL RICE W	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1091291	BFD STRND CRL MX W/A	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
894000A1091321	BFD STRND OATML W/AP	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1091411	BFD JUN VEG & CHICKE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1091471	BFD JUN VEGETABLES &	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1091501	BFD JUN VEG & BACON	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1091561	BFD JUN VEG & TURKEY	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1091591	BFD JUN CHN NOODLE D	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1091621	BFD JUN BEEF & EGG N	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1091651	BFD JUN SPAG TOM SAU	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1091741	BFD JUN VEG & HAM 7.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1091831	BFD JUN CARROTS 7.5-	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1091891	BFD JUN MIXED VEGETA	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1092011	BFD JUN PEACHES 7.5-	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1092041	BFD JUN APPLESauce 7	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1092071	BFD JUN PEARS & PINE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1092101	BFD JUN APLESC & AP	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1092131	BFD JUNIOR PEARS 7.5	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1092221	BFD JUN APRICOTS W/T	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.

LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NWS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
894000A1092281	BFD JUN FRUIT DES 7.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1092311	BFD JUN DUTCH APPLE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1092341	BFD JUN BAN W/P-APPLE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1092341	BFD JUN BEEF 3.5 OZ	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.
894000A1093421	BFD CEREAL OATMEAL 8	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1093451	BFD CEREAL RICE 8 OZ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1094261	BFD CEREAL MIXED W/B	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1094291	BFD OATMEAL W/BANANA	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
894000A1350061	PLAIN GELATINE 4 ENV	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.
894000A1350121	SALAD DRESSING LITE	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1350651	ICED TEA LOW-CAL W/L	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1500241	PRETZELS MISTER SALT	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1500321	PRETZELS STICKS MR S	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
894000A1541021	SWTNER LIQUID 6 OZ N	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1542281	FRSTNG MLK CHOC SUPR	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
894000A1543271	FRSTNG STRWBERRY 16.	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
894000A1680101	CHERRY PIE FILLING I	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1990091	SAUCE GRAVY&SEASNG M	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1990781	GRAVY SCE&SEASNG MX	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A2701481	POPCORN YELLOW 2LB	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A2820101	OYSTER STEW 10.5 OZ	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
894000A2940601	FRUIT CUP DICE PEACH	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A2940651	FRUIT CUP MX FRUIT 1	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A2940701	PUDDING CUP VANILLA	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A2940801	PUDDING CUP CHOCOLAT	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A2940851	PUDDING CUP CHOC FUD	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
894000A3030301	BFD FORMULA L10 CONC	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A3030661	BFD FORMULA W/IRON R	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
894000A3031001	BFD FORMULA LIQ.CONC.1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A3180521	BFD FORMULA CONCEN/L	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
894000A3180601	BFD FORM CONC/L1Q W/	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A3180811	BFD FORMULA CONC/L1Q	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
894000A3180901	BFD FORM R-T-FEED LI	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A3180951	BFD R-T-F LIQ 3 2Z W	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A3251121	TOPPING ICE CRM CHOC	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
894000A3446671	LIQUID DIET VERY VAN	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A3446681	LIQUID DIET VERY CHO	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A3446691	LIQUID DIET VERY STR	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A3446771	LIQUID DIET VERY DUT	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A3480041	BEEF/BARBECUE SAUCE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A3480141	BEEF STEW 12/24 OZ N	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
894000A4160251	DNR RICE-A-RONI CHIC	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.
894000A4160301	DNR RICE-A-RONI BEEF	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A4160391	DNR RICE-A-RONI SPAN	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A4160471	DNR WILD RICE-A-RONI	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A4160551	DNR RICE-A-RONI FRIE	.	.	.	.	.	.	.	.	.	.	.	3	11	.	.
894000A4160781	DNR MACARONI & CHEDD	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
894000A4450151	POPCORN YELLOW 28 OZ	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A4810511	DINNER MACARONI 7.25	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A4810571	DINNER MACARONI DELU	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A4811491	DINNER NOODLES W/CHE	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
894000A4812371	SALAD DRESSING LOW C	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000L0191301	BACON RINDS FR FRIED	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.

LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NVS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
89450008093961	SHORTINGS5A5 GALLON	2			2	2		2		1	2	2		2		
89450061600811	SALAD01L1G1 GALLON	1	1	2		2	2	1	3	2	1		5		2	4
89450061600821	SALD01L1Q1 QUART CN									5					4	2
89450089017761	SHORTENINGS QT CAN			2												
894500A0110181	OIL CORN 1-1/2 QUART												2			
894500A0490071	SHORTENING 1 LB. CRI												2			
894500A0490141	SHORTENING 12/3 LB.												5			
894500A0490631	OIL FOOD 128 FL OZ P												1			
894500A0492221	OIL FOOD GIANT 48 FL												2			
894500A0780391	SHORTENING PRE-CREAM												2			
894500A3280251	OIL 15/LGE 24 2 #61 2												2			
894500A33281691	SHORTENING 48 OZ SNO												2			
894500A33282411	OIL GALLON PASTIC BT												5			
89500012563331	POWDER BKG1 LB	1	2	1	2	1	2	2	2	1	3		1		2	2
89500012780471	NUTMEG 1-20Z CO	2											2			
89500012780491	CINNAMONGR1 LB CN	2														
89500012780671	PEPRGRD 1#1 LB CAN	2	2	1	2	2	1	2	2	2	2		2		2	2
89500012788821	FLAVLEM80Z8 FLUID OZ									2	2					
89500012789191	SALDRSG GA1 GALLON	2													2	2
89500012789411	FLAVVAN80Z8 FLUID OZ	2		2	2	2							2			
89500012797461	PIKLSWT 10#10 CAN	2	1	1		2				1	1					
89500012797901	CATSUP 140Z14 OZ BTL	2	1	2	2	2	4	3	4	1	2		2		2	2
89500012804351	CHILI PWDR4 OZ GL BT				2											
89500012805421	PIKILDICQT1 QT JAR												4			
89500017095581	POULTRYSEA3-4 OZ CN	1														
89500017095651	PEPRCAYGR1-20Z CO	2											4			
89500017095711	CLOVESGRND1-20Z CO		1													
89500017095731	CINNAMON 3-4 OZ CN		1	2	5	2	2	2	2	4	2		2		2	
89500020509361	SALDRSG 5# 21/2 CAN	2	3	3	2	2	2			1	3		4		1	4
89500029296111	SODA BKG 1 LB	2	2	2				2	2							
89500048905461	PEPRIKL10#10 CAN	2														
89500054376981	MUSTRD21/2# 21/2 CAN	3	2	2		2				1	2				1	
89500057745941	SALDRSG QT1 QUART JR					3				1	2				4	2
89500058214021	OREGANO 1-20Z CO	4											2			
89500061645131	FDCOLRASSTASSORTMENT		2													
89500061654831	THYME 1-20Z CO												2			
89500061654841	GINGRGR3-43-4 OZ CO	1			2	2										
89500061654891	CURRY PWDR1-20Z CO												2			
89500075329621	CHILI PWDR1 LB GL BT	1		1									1			
89500075363691	ANTIOXIDNTJAR	1														
89500078267021	FLVRIMVANL32FLUID OZ												2			
89500088968891	RELISH PT 1 PT JR												1			
89500088968901	PIKILDICQT1 QT JR												2			
89500093532541	SOY SAUCE 16FLUID OZ	2		1					2						2	
89500093564091	CONDPKTGRNPACKET															
895000A0050271	PIZZA SAUCE 10 1/20												5			
895000A0050431	SPAGHETTI SAUCE W/ME												1			
895000A0110011	MAYONNAISE QUART HEL															
895000A0110031	SANDWICH SPREAD PI												5			
895000A0110291	TARTER SAUCE 8 OZ HE												5			
895000A0151161	SPICE SEASON-ALL 3-1												1			
895000A0151651	SALT GARLIC 3-1/20Z												2			
895000A0151741	GARLIC POWDER 1-1/4												1			

LEAD TIME

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NMS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
895000A0156211	ONION MINCED 4-1/4 O	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895000A0156251	FLAKES PARSLEY DEHYD	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A0157661	SPICE PEPPR BLK 4 OZ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A0403641	OLIVES MANZANILLA S	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A0404381	OLIVES MANZ STUFF TH	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895000A0421201	OLIVES RIPE X-LG PIT	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A0480991	CHILI POWDER 3 OZ.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A0580111	BAKING POWDER 7 OZ C	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
895000A0584311	BARBECUE SAUCE 18 OZ	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895000A0587281	DRSNG MX ITAL SALAD	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.
895000A0587331	DRSSNG SALAD MX REFI	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.
895000A0981031	PICKLES SWEET 2 20Z	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895000A0981231	RELISH INDIA 9-3/4/1	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A0981361	SAUCE STEAK NO. 57 1	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A0981531	VINEGAR TARRAGON 1 2	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A0981651	VINEGAR CIDER QUART	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.
895000A0981831	PICKLES SWEET CUCUMB	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895000A0981871	PICKLE POLISH STYLE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A0982171	PICKLES KOSHER DILL	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895000A0983421	SAUCE BBQ REGULAR W/	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895000A0983931	KETCHUP TOMATOE 14 O	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
895000A0984091	PICKLES HAMBURGER DI	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A0984301	CHILI SAUCE 1 20Z HE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A0984371	VINEGAR WHITE QUART	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A0984391	PICKLES DILL KOSHER	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
895000A0984401	PICKLES DILLS PROCES	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895000A0984441	GENUINE DILLS 46 OZ	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895000A1350091	SALAD DRESSING ITALI	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A1350361	SALAD DRESSING RUSSI	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A1350541	SALAD DRESSING DELUX	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A1440141	SAUCE WORCESTERSHIRE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A1470031	VINEGAR WINE RED 1 2	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895000A1470081	SAUCE TABLE 5 OZ #00	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
895000A1800091	HOT SAUCE 20Z TABAS	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895000A1900431	MUSTARD CREAM SALAD	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A1991131	SPAGHETTI SAUCE MIX	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A1991161	SAUCE CHILLO 1 3/4 O	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A1991201	SCE MX SOUR CREAM 1.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A1992321	MIX GRAVY SLOPPY JOE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A 240041	ENCHILADA SAUCE MILD	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A 240161	SAUCE TACO 4 OZ #730	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895000A2310141	SALT IODIZED 26 OZ D	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A2943601	SWEET RELISH 12-1 20	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895000A3280161	KETCHUP TOMATO 3 20Z	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A3281651	SAUCE TOMATO 72/8 8	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
895000A3281701	SAUCE TOMATO #300 15	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A3284111	SAUCE TOMATO W/MUSHR	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
895000A3430081	SALT IODIZED 26 OZ.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895000A3640951	PEPPERS, TORRIDO HOT	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.
895000A3890081	BAKING SODA 1 LB ARM	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
895000A3900701	OLIVES JUMBO PITTED	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A4140181	SPAGHETTI SCE MIX W/	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
895000A4380101	SAUCE MARINADE TERIY	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.

LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	NDS	MNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
895000A4380251	SOY SAUCE 12/10 OZ B	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895000A4510351	SAUCE SPAGHETTI W/ME	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
895000A4813171	SALAD DRESSING MIRAC	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
895000A4813321	MUSTARD PLASTIC BT 8	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A4814031	SALAD DRESSING CR CU	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895000A4814701	SAUCE BBQ 18 OZ BT #	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895000A4814711	MAYONNAISE REAL 16 O	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
895000A4814741	MAYONNAISE REAL 3 20	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895000A4814961	SALAD DRESSING FRENC	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A4819801	SALAD DRESSING 1000	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A4819871	SALAD DRESSING MIRAC	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
895000A5290021	PICKLES KOSHER BABY	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A5290061	PICKLES KOSHER SPEAR	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A5290081	PICKLES POLISH SPEAR	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895000A5290151	PICKLES KOSHER BABY	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A5290261	PICKLES SWEET BUTTER	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A5290331	SAUERKRAUT 3 20Z VL	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A5290421	PICKLES SWEET PICKLE	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
895000A5290581	PICKLES HAMBURGER CH	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895000A5290931	COCKTAIL ONIONS 8 O	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A5630011	SAUCE PICANTE 8 OZ #	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.
895000V0570061	OLIVES GREEN STF 70Z	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
89550022358061	COCOA 14CN1 LB	1	2	2	.	.	.	.	.	.	.	.	.	.	.	1
89550028653681	COFFEE RST 2LB CAN	2	2	2	1	3	.	2	.	3	2	.	.	.	.	1
89550028653691	COFFEE RST3 LB CAN	2	2	1	2	.	.	.	.	2	3	1	.	.	.	2
89550028653721	COFFEE RST20 LB CAN	2	2	2	2	3	2	2	2	4	2	.	.	.	.	2
89550078232141	TEAING-3/46-3/4 OZ	2	1	2	.	1	.	.	.	.	.	.	.	.	.	3
895500A0140061	COFFEE DRIP 1 LB GRD	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895500A0140201	COFFEE REGULAR 3 LB	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895500A0140221	COFFEE ELEC PERC 3 L	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895500A0151311	TEA BAGS OP&P 100/CA	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895500A0480191	MIX COCOA INSTANT 1 2	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
895500A0484101	MINI-MARSHMALLOW MIX	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895500A0550361	COCOA HERSHEY S INST	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895500A0580181	COFFEE REGULAR GRIND	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895500A0584121	COFFEE FREEZE DRIED	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895500A0584171	COFFEE DRIP GRIND 1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895500A0584181	COFFEE REGULAR GRIND	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895500A0584191	COFFEE DRIP GRIND 2	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
895500A0584351	COFFEE INSTANT 6 OZ	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
895500A0584371	MAXWELL HOUSE INSTAN	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895500A0880721	COFFEE FRZ DRIED DEC	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895500A0881531	COCOA MIX HOT 10/ 1	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
895500A0881811	TEA INST SOLUBLE IN	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.
895500A1350831	TEA BAGS 100 CT 8 OZ	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895500A1351121	TEA ICED MIX LEMON F	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
895500A1351301	TEA INSTANT 100 % PU	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895500A1351411	TEA BAGS BLACK OP&P	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
895500A3050771	TEA BAGS WITH TAGS 1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
896000A45882481	BEV&SRTB6 GL YIELD	.	2	.	.	.	.	.	.	.	.	.	5	.	.	.
896000A055949141	COCBEVDPWDLB	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.
896000A0580821	BEVERAGE ORANGE 27 O	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
896000A0581341	REV LMDE 30 OZ SUGA	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.

LEAD TIME

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
8960000A0581351	BEV GRAPE 30 OZ SUG	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
8960000A0581391	BEV CHERRY 12/30 OZ	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
8960000A0581491	BEV ORANGE 12/30 OZ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
8960000A0581501	BEV STRWBERRY 30 OZ	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
8960000A0581511	BEV RASPBERRY 30 OZ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
8960000A0581531	REV MIX ORANGE 288 E	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
8960000A0581551	BEV MIX GRAPE 288 EN	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
8960000A0581581	BEV MIX CHERRY 288	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
8960000A0581591	BEV MIX STRWBERRY 2	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
8960000A0581601	BEV MIX RASPBERRY 28	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
8960000A0586721	MX SOFT DRNK ASST 4	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
8960000A0880291	CHOC BEV PREPARED CO	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
8960000A0880451	DRINK COLD PDWR STRA	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
8960000A1280571	DRINK MIX ORANGE 3 O	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
8960000A1284831	DRINK MIX LEMONADE 3	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
8960000A1570101	BEVERAGE CHOCOLATE F	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
8960000A3700381	BREAKFAST INST VARIE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
8960000A3703261	BREAKFAST INST CHOC	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
8975000A0530011	CIGARETTES MORE FILT	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
8975000A0530121	CIGARETTES WINSTON F	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
8975000A0530131	CIGARETTES 20S - 100	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
8975000A0530181	CIGARETTES SALEM MEN	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
8975000A0530201	CIGARETTES 100 S TAX	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
8975000A0530361	CIGARETTES KING-SIZE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
8975000A0531141	CIGARETTES CAMEL FIL	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
8975000A0531191	CIGARETTES SALEM LIGH	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
8975000A1750191	CIGARETTES 100S FILT	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
8975000A1750221	CIGARETTES 100S MENT	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
8975000A1750241	CIGARETTES FILTER LO	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
8975000A1750301	CIGARETTES SF PK KING	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
8975000A1750411	CIGARETTES FILTER KI	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
8975000A1750431	CIGARETTES FILTER 10	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
8975000A1751741	CIGARETTES KING SZ S	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.

PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	MWS	NDS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SDB	SDQ	SDU	SMS	SRS
650500A2921201	VITAMINS MULTIPLE 10	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
651000A0921221	NAPKINS SUPER 30 PER	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
651000A0921421	NAPKINS FEM MAX1 NEW	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
651000A0923861	NAPKINS FEMININE NEW	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
651000A1581501	BANDAGES ADHESIVE 70	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
651000A5480011	TAMPONS 40 PER PG. S	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
651000A5480021	TAMPONS 40 PER PG SU	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
681000A3320481	SPRAY STARCH AEROSOL	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
681000A3320541	STARCH SPRAY-ON FABR	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
681000A3431161	DEGREASER GREASE REL	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
681000A4461121	WATER CONDITIONER RE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
684000A0190481	DISINFECTANT AEROSOL	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
684000A0710161	DEODORANT FLORAL SAC	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
684000A0712711	DEODORANT SPACE SUNN	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
684000A1380731	DISINFECTANT BATHRM	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
685000A1380241	BLEACH LIQUID 1/ 2GA	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
685000A1380321	BLEACH LIQUID GALLON	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
685000A1380601	BLEACH ALL FABRIC 40	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
685000A3040151	BLEACH SUPER HALF GA	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
721000B5109411	CLOTH DISH PKG 4 TB	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
721000B5109801	CLOTH ALL-PURPOSE PK	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
721000B5109831	CLOTH POLISHING PKG	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
733000B5105541	SCRUBBER NYLON RECTA	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
733000B5105631	SCRUBBER PLASTIC PKG	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
733000B5109461	POT HOLDERS QUILTED C	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
735000A0540521	PAP PLATES 2PLY H-C	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
735000A3981351	PLATES WHT DEEP DISH	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.
792000A3040061	SOAP FILLED PADS #03	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
792000A3040211	SCOURING PADS NYLON	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
792000B5105751	SPONGE CELLULOSE 5-1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
792000B5105761	SPONGE CELLULOSE 7-3	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
792000B5105771	SPONGE CELLULOSE 5-1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
792000B5109161	BRUSH SANITARY BOWL	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
792000B5109181	BRUSH SCRUBBING HOUS	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
792000B5109201	HANDLE MOP SPRING LE	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
792000B5109241	MOP BLOCK SPONGE WIT	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
792000B5109261	MOP STICK OR YACHT W	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
792000B5109281	MOP COTTON STICK CLE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
792000B5109341	MOP SPONGE REFILL BL	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A0051261	SOAP LIQ COLD WATER	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A0052391	OVENCLEANER SPRY LEM	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
793000A0200381	AMONIA PLAS LEMON SU	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A0201231	WAX ONE STEP FOR WOO	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
793000A0300901	DETERGENT CONCENTRAT	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A0420541	AMMONIA HOUSEHOLD CL	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A0490921	DETERGENT REGULAR 20	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
793000A0491641	CLEANER GIANT 54 OZ	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
793000A0491761	CLEANER GIANT 28 FL.	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
793000A0491881	CLEANER LIQUID GIANT	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A0491921	CLEANER GIANT 21 OZ.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
793000A0492001	CLEANER BATHROOM 6 O	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A0710181	FLOOR WAX 27 OZ HD G	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A0710301	FLOOR WAX 27 OZ #001	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.

PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
793000A0710851	FURNITURE POLISH 14	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A0711151	RUG CLEANER 24 OZ AE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A0712051	FLOOR FINISH 27 OZ F	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A1240961	DETER GIANT 3# 1 OZ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A1241581	DETERGENT LIQ KING 3	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A1241741	CLEANSER GIANT 1 LB	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
793000A1700351	RUG CLEANER LIQUID 0	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A3042661	STAINLES STEEL & ALU	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A3042721	DISHWASHING LIQ PINK	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A3130241	DETERGENT DISHWASHER	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A3130661	LIM & RUST REMVR 16	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A3590111	CLEANER 28 OZ PINE S	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A3630181	BATHRM CLEANER/SANTZ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A4680621	DUST CONTROL SPRAY 1	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A4682171	CLEANER OVEN SPRAY 8	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A4683041	WINDOW CLEANER AERO	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.
793000A4683101	CLEANER TOILET BOWL	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
793000A4683151	FURNITURE POLISH W/L	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
810500A0600191	BAGS GARBAGE PLAST 3	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
810500A2170161	BGS SANDWICH 15OCT. 6	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
813500A2100121	ALUM FOIL REG. 75 SQ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
813500A2100161	ALUM FOIL REG. 200 SQ	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
813500A2100241	ALUM FOIL HVY DTY 24	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
813500A2170061	WRAP FOOD PLASTIC 1 2	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
813500A3200311	WAX PAPER 100 FT #73	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
813500A3630151	WRAP PLASTIC JUMBO S	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
813500A3630291	BAGS QUART SIZE 25'S	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
813500A3630331	BAGS GAL SIZE 20'S Z	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
851000A0490451	SHAMPOO TUBE FAMILY	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
851000A0760051	LOTION W/DISP 15 OZ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
851000A1580181	SHAMPOO BABY 11 OZ 3	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
851000A2510241	DEODORANT XTR DR ANT	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
851000A4480721	HAIR SPRAY EXTRA HOL	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
851000A4540081	LOTION AFTER SHAVE R	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
851000A1650321	DEODOR STICK 24/ 21/	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
851000A4681571	HAIR SPRAY 8 OZ PL F	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
852000A0190141	TOWELETTES 70'S POP-	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
852000A0200451	SOAP BATH GOLD 5 OZ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
852000A0200511	SOAP BATH SIZE WHITE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
852000A0200631	SOAP BATH SIZE ALMON	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
852000A0301761	TOOTHPASTE FAMILY 6.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
852000A0493021	TOOTHPASTE DENTIFRIC	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
852000A0493101	TOOTHPASTE REGULAR 7	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
852000A0493191	TOOTHPASTE MINT 7 OZ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
852000A1240171	SOAP BATH GR 4.75 Z	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
852000A1243031	TOOTHPASTE FAMILY 7	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
852000A1243271	SOAP DEODORANT BATH	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
852000A3230201	LIQUID BUBBLE BATH F	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
852000A4480121	CREAM SHAVING FOAMY	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
853000A4482061	RAZOR BLADES TRAC II	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
854000A0920281	11 ISSUE FACIAL ASST 1	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
854000A0920671	NAPKINS DINNER ASST:	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.

PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NWS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SDB	SDO	SDU	SMS	SRS
854000A09 2451	NAPKINS COCKTAIL ASS	.	.	.	.	.	.	.	.	.	.	2	.	.	.
854000A0922701	TOWELS JUMBO 100- 2P	.	.	.	.	.	.	.	.	.	.	2	.	.	.
854000A0922801	TISSUES BOUTIQUE ASS	.	.	.	.	.	.	.	.	.	.	2	.	.	.
854000A1240071	TOWELS REUSABLE 8 AS	.	.	.	.	.	.	.	.	.	.	1	.	.	.
854000A2071401	TISSUE FACIAL ASSTD	.	.	.	.	.	.	.	.	.	.	1	.	.	.
854000A2072031	TISSUE TOILET S/PAC	.	.	.	.	.	.	.	.	.	.	1	.	.	.
854000A3201141	TISSUE BATHRM ASST C	.	.	.	.	.	.	.	.	.	.	1	.	.	.
854000A3202331	NAPKINS FAMILY WHITE	.	.	.	.	.	.	.	.	.	.	2	.	.	.
854000A3203941	NAPKINS FAMILY ASST.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
854000A3204041	TOWELS BG RL DECO PR	.	.	.	.	.	.	.	.	.	.	1	.	.	.
854000A4300921	TISSUE TOILET ASSTD	.	.	.	.	.	.	.	.	.	.	2	.	.	.
871000A0510091	DQG FOOD REGULAR 15	.	.	.	.	.	.	.	.	.	.	1	.	.	.
871000A0580241	DQG FOOD DRY 5 LB GA	.	.	.	.	.	.	.	.	.	.	5	.	.	.
871000A0581021	DQG FOOD DRY BURGERS	.	.	.	.	.	.	.	.	.	.	5	.	.	.
871000A0870061	DQG FOOD 15 OZ CN KE	.	.	.	.	.	.	.	.	.	.	1	.	.	.
871000A0870921	FOOD DQG SPECIAL CUT	.	.	.	.	.	.	.	.	.	.	2	.	.	.
871000A1120101	DQG FOOD BEEF CHUNKS	.	.	.	.	.	.	.	.	.	.	2	.	.	.
871000A1120201	DQG FOOD HORSEMEAT C	.	.	.	.	.	.	.	.	.	.	2	.	.	.
871000A1120401	DQG FOOD LIVER CHUNK	.	.	.	.	.	.	.	.	.	.	5	.	.	.
871000A1120501	DQG FOOD CHICKEN DIN	.	.	.	.	.	.	.	.	.	.	2	.	.	.
871000A1120901	DQG FOOD BEEF STEW C	.	.	.	.	.	.	.	.	.	.	1	.	.	.
871000A1380011	CAT LITTER 4 LB.BAG	.	.	.	.	.	.	.	.	.	.	1	.	.	.
871000A1500211	BISCUITS DQG MILK-B0	.	.	.	.	.	.	.	.	.	.	2	.	.	.
871000A1500351	DQG FOOD FLAVOR SNAC	.	.	.	.	.	.	.	.	.	.	1	.	.	.
871000A1900521	PET FOOD TUNA N CHIC	.	.	.	.	.	.	.	.	.	.	4	.	.	.
871000A1900961	FOOD PET STEW 14 OZ.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
871000A2050201	CAT FOOD TUNA N-SAUC	.	.	.	.	.	.	.	.	.	.	2	.	.	.
871000A2050841	CAT FD SUPER SUPPER	.	.	.	.	.	.	.	.	.	.	1	.	.	.
871000A2051001	CAT FOOD LIVER N'CRE	.	.	.	.	.	.	.	.	.	.	1	.	.	.
871000A2051221	CAT FD MACKEREL DINN	.	.	.	.	.	.	.	.	.	.	1	.	.	.
871000A2820241	DQG CHOW REG 10 LB N	.	.	.	.	.	.	.	.	.	.	2	.	.	.
871000A2820641	CAT CHOW ORIGINAL BL	.	.	.	.	.	.	.	.	.	.	1	.	.	.
871000A2820721	CAT CHOW REG 4 LB NR	.	.	.	.	.	.	.	.	.	.	1	.	.	.
871000A2821341	PET FD SEAFOOD 1 20Z	.	.	.	.	.	.	.	.	.	.	1	.	.	.
871000A2822701	PET FOOD TUNA 1 20Z	.	.	.	.	.	.	.	.	.	.	2	.	.	.
871000A2822751	PET FOOD LIVER 1 20Z	.	.	.	.	.	.	.	.	.	.	2	.	.	.
871000A2822801	PET FOOD BEEF 1 20Z	.	.	.	.	.	.	.	.	.	.	1	.	.	.
871000A2822851	PET FOOD GOURMET 1 2	.	.	.	.	.	.	.	.	.	.	2	.	.	.
89050012640201	LUNCH MEAT6 LB CAN	1	2	2	1	2	2	1	1	1	1	1	1	1	1
89050012879141	CLAMS CND 49 OR 510Z	2	4	4	4	2	2	2	5	2	2	2	3	2	3
89050026700401	TUNA 6.5-76.5-7 OZ	.	.	5	3	2	2	2	1	5	1	5	4	5	4
89050058213431	SARDINES CAN	.	.	.	.	.	.	.	.	.	.	2	2	2	2
890500G4189411	TUNA12.50212.5-13 OZ	.	.	2	2	2	2	2	2	1	2	2	2	2	2
89050093531611	JUNA 4LB #603X408CN	.	.	.	.	.	.	.	.	.	.	2	1	1	1
890500A0200171	HAM CHOPPED 1 20Z. A	.	.	.	.	.	.	.	.	.	.	2	2	2	2
890500A0200501	VIENNA SAUSAGE 5 OZ	.	.	.	.	.	.	.	.	.	.	5	5	5	5
890500A0201321	POTTED MEAT 5-1/ 20Z	.	.	.	.	.	.	.	.	.	.	2	2	2	2
890500A0201341	BEEF SLICED DRIED 2	.	.	.	.	.	.	.	.	.	.	5	5	5	5
890500A0840121	SPAM DEVILED LUNCHEO	.	.	.	.	.	.	.	.	.	.	2	2	2	2
890500A0840131	CHICKEN BREAST OF CH	.	.	.	.	.	.	.	.	.	.	1	1	1	1
890500A0840141	TURKEY TENDER CHUNK	.	.	.	.	.	.	.	.	.	.	2	2	2	2
890500A0840281	HAM CANNED BLACK LAB	.	.	.	.	.	.	.	.	.	.	2	2	2	2
890500A0840561	SPAM 7 OZ #376013 H0	.	.	.	.	.	.	.	.	.	.	2	2	2	2

PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	MNS	NDS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
890500A0840611	SPAM 1 20Z TIN CN #1	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
890500A0840631	SPAM SMOKE FLAVORED	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
890500A0841051	HAM TENDER CHUNK 6-3	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
890500A0970071	CHICKEN CHUNK WHIT &	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
890500A2390961	ANCHOVIES FLAT IN O.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
890500A2391651	CLAMS SMOKED 3.66 OZ	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
890500A2820211	TUNA LIGHT CHUNK PK	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
890500A2820271	TUNA CHUNK LT WATER	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
890500A2820281	TUNA FISH LIGHT CHUN	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
890500A3481051	VIENNA SAUSAGE 48/5	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
890500A3481191	CORN BEEF STH AMER 2	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
890500A3481611	SALMON RED 24/7.75 O	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
890500A3482121	SALMON PINK 24/15.5	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
890500A3703001	LUNCHEON MEAT PREM 1	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
890500A3911001	POLISH STYLE SAUS 9	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
890500A3990131	KIPPER REG SMALL 4-1	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
890500A4190521	SHRIMP REG SMALL 4-1	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
890501V0309221	SARDNS BRSLG 3 3/4OZ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
890501V0309241	SARDNS SOY/OI 3 3/4OZ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
890501V0309261	SARDNS MUSSC 3 3/4OZ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
89100012634431	MILKEV14.514.5 OZ CN	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
89100061601601	CHEESE GRT3 OZ	2	.	2	.	.	.	.	.	.	.	.	2	.	.	.
89100078233161	SOURCRMSXPACKAGE	2	1	.	1	4	.	.	.	.	.	.	2	.	.	.
89100078237651	CHEESE GRT1 LB CO	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100096515531	EGG MIX #3/3 CYL CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A1282441	CREMORA NON-DAIRY CR	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.
891000A3440051	MILK EVAPORATED SMALL	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891000A3440151	MILK EVAPORATED TALL	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891000A3444271	CREAM SOUR IMITATION	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
891000A3700041	MILK EVAPORATED TALL	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891000A3700081	MILK EVAPORATED BABY	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
89150008101201	BEANKDNY 2 2LB BAG	1	.	.	.	.	1	.	.	.	.	.	2	.	.	.
89150008516501	JCEGRPT3 #3 CYL CAN	2	2	1	2	2	1	2	2	1	3	.	2	.	2	2
89150012718791	BLUBERY 10#10 CAN	1	.	.	1	2	.	.	.	.	.	.	.	.	.	.
89150012779951	PEAS DRY 1 LB PKG	1	.	.	.	.	.	.	.	.	.	.	2	.	.	.
89150012792851	PEAS 303 #303 CAN	.	2	.	.	.	.	.	.	2	2	.	2	.	.	.
89150012796771	POT WH 10 #10 CAN	1	1	1	3	2	.	.	.	.	.	.	.	.	.	.
89150013062511	JUICE VEG3/3 CYL CAN	1	1	.	.	.	.	.	.	.	.	.	.	.	.	.
89150013263481	APPLSE 303#303 CAN	.	2	.	.	.	.	.	.	2	2	.	2	.	2	2
89150014108331	JCEGRFT053#3 CYL CAN	3	1	2	1	2	1	.	.	1	1	.	5	.	2	2
89150014667131	BEANKDNY303#303 CAN	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.
89150014915711	GARLICDEHY1 20ZGL JR	2	.	1	1	.	.	.	.	2	2	.	.	.	5	2
89150017049381	BEANPIN1LB1 LB CO	1	4	2	2	5	.	.	.	1	3	1	1	.	1	1
8915001871351	JCEA51/4-65 1/4-6 OZ	1	1	1	.	.	.	.	.	.	.	.	4	.	.	.
89150018456011	BEANS/PORK#10 CAN	1	1	2	2	1	2	.	.	1	2	2	4	.	1	2
89150020509371	JCE051/4-65 1/4-6 OZ	2	1	1	1	3	2	.	.	2	1	.	4	.	2	2
89150020509381	JCEPTNEAPL5-1/2-6FLZ	1	.	1	2	.	.	3	.	.	.	.	.	.	.	.
89150020509391	PEARS 8ZTL8-3/4 OZ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
89150022358001	JCE051/4-65 1/4-6FLZ	1	2	2	.	.	.	.	.	.	.	.	.	.	.	.
89150022360901	JCE151/4-65 1/4-6 OZ	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.
89150024128001	JUCEDRNG #3 CYL CAN	2	1	1	1	3	.	2	1	2	2	.	2	.	2	2
89150024656341	CRNBRY WHL#300 CAN	.	.	.	.	.	.	.	.	.	1	5	.	.	4	.
89150024948731	PEPRS SWT #303 CAN	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.

PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE													SRS
		NDS	MVS	NDS	NPS	MRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	
89150025180681	CRNBRYJ300/300 CAN	2	2	2	1	5	1	1	1	5	1	1	4	4	5
89150025505231	JUICETOM/33 CVL CAN	2	1	2	2	2	2	1	2	5	1	4	2	2	5
89150025679931	JUICE VEG 5-1/2-8 OZ	2	1	1	1	1	1	1	1	1	1	1	1	1	1
89150025739521	CORNCRM303/303 CAN	2	4	1	1	1	1	1	1	2	2	2	2	2	2
89150028118091	JUCE GRP 3/3 CVL CAN	2	2	1	1	1	1	1	1	2	2	2	1	2	2
89150028525461	SPINACH303/303 CAN	2	1	5	2	1	1	3	1	2	2	2	3	2	5
89150028654831	PTCKT21/2# 21/ 2CAN	2	1	1	1	1	1	3	1	2	2	2	3	2	2
89150058427951	PCHSHF21/2# 21/ 2CAN	2	1	1	1	1	1	3	1	2	2	2	3	2	2
89150058427961	PCHSL21/2# 21/ 2CAN	2	1	1	1	1	1	3	1	2	2	2	3	2	2
89150061601961	BEANLKEYEDRY, 1 LBCO	2	1	1	1	1	1	3	1	2	2	2	3	2	2
89150061602241	PEARHF21/2# 21/ 2CAN	2	1	1	1	1	1	3	1	2	2	2	3	2	2
89150061648161	BEANX303/303 CAN	2	1	1	1	1	1	3	1	2	2	2	3	2	2
89150061648171	BEANGR 303/303 CAN	2	1	1	1	1	1	3	1	2	2	2	3	2	2
89150078263651	BEANSTOMSC/3 CVL CAN	2	1	1	1	1	1	3	1	2	2	2	3	2	2
89150085165641	CRNBRYJ/10/10 CAN	2	1	1	1	1	1	3	1	2	2	2	3	2	2
89150092667701	CORWH2/3032VAC/303CN	2	1	1	1	1	1	3	1	2	2	2	3	2	2
89150092667931	BEANKDNY10/10 CAN	2	1	1	1	1	1	3	1	2	2	2	3	2	2
89150097505301	PARSLEY 1-1/ 2OZ	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0053651	GREENS COLLARD W/POR	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0310201	JUCE GRAPE 24 OZ 20	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0310671	JUCE YMATO 3 2OZ	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0311341	JUCE GRAPE 4 5-1/ 2	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0421321	GREEN BEANS CUT #303	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0421441	GREEN BEANS SLCD FRE	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0421561	WAX BEANS CUT #303 C	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0425751	TOMATOES DUCHESS CAL	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0427721	POTATOES SLCD WHITE	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0427841	POTATOES SM WHOLE WH	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0429681	CARROTS WHOLE SMALL	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0480051	BEANS, CHILI MEXICAN	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0480081	BEANS PINTO RED 15 O	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0770881	DRINK GATORADE 3 22	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0772491	BEANS KIDNEY DARK RE	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0775011	BEANS W/PORK NO.300	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0775101	BEANS W/PORK 12/53	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0775401	BEANS BUTTER NO.300	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0776031	COLLARD GREENS #303	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0800061	CRANBERRY SAUCE JELL	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0800121	CRANBERRY SAUCE WHOL	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0800501	SAUCE APPLE 25 OZ MO	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0850801	ASPARAGUS ALL GREEN	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0850911	BEANS GREEN WHOLE NO	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0851181	CORN WHOLE KERNEL GOL	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0851571	VEG POTATOES SHOESTR	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0853101	FRUIT DRIED RAISINS	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0855361	CHERRIES MARASCHINO	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0970081	JUCE VEG COCKTAIL 1	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0970161	JUCE VEG COCKTAIL 4	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A0970441	PORK & BEANS 16 OZ C	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A1280101	JUCE LEMON 3 2OZ. R	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A1281321	JUCE LEMON 8 OZ REA	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A1281481	JUCE LEMON 4-1/ 2OZ	2	1	1	1	1	1	3	1	2	2	2	3	2	2
891500A1281531	JUCE LIME 8 OZ REAL	2	1	1	1	1	1	3	1	2	2	2	3	2	2

PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NWS	NDS	NPS	NPS	NVS	NXS	NZS	SAS	SBS	SDR	SDQ	SDU	SMG	SRS
891500A1343601	BEANS RED KIDNEY BEA	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A1344551	YAMS SMALL WHOLE 17	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
891500A1680161	JUICE APPLE 5 1/ 20Z	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A1681211	APPLE SAUCE 24 OZ CH	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A1681311	APPLE CIDER LITTLE B	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
891500A1992351	POTATO IDAHO SPUDS 1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
891500A2400081	VEGETABLES MIXED 16	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
891500A2640121	BEANS DRY GREAT MORT	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
891500A2640181	BEANS DRY PINTO 24 O	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
891500A2640301	BEANS BLACKEYES DRY	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
891500A2640841	BEANS DRY KIDNEY RED	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
891500A2641051	LENTILS DRY 1 20Z MU	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A2800071	POTATO FLAKES DEHY 8	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
891500A2800561	POTATOES AU GRATIN D	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
891500A2800631	POTATOES SCALLOPED D	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
891500A2800661	POTATOES HASH BROWN	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
891500A2940751	PRUNES PITTED 24-1 2	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
891500A2910951	ORANGES MANDARIN 24-	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A2941551	FRUIT COCKTAIL 24-30	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A2941601	FRUIT COCKTAIL 24-17	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A2941651	FRUIT COCKTAIL 24-8.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A2942001	PEACHS Y.C. SLICED 2	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A2942501	PEARS HALVES 24-29 O	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A2942551	PEARS HALVES 24-16 O	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
891500A2943631	TROPICAL FRUIT SALAD	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A2944771	JCE PINE/PINK GRPFU	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
891500A2945371	RAISINS SEEDLESS 24-	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A2946751	VEG ASPARAGUS ALL GR	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
891500A2947051	BEANS CUT GRN-BLUE L	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A2947151	BEANS FRENCH STYLE S	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
891500A2947251	BEANS SEASON SLICE 2	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A2947401	BEANS LIMA 24-17 O13	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A2947951	CORN CRM STYLE GOLDE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A2948101	CORN WK FAM STYLE GL	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
891500A2948501	PEAS EG BLENDED 24-1	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A2948551	PEAS EG BLENDED 24-8	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
891500A2948651	PEAS & CARROTS 24-16	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.
891500A2949101	SPINACH LEAF 24-15 O	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.
891500A2949301	VEG TOMATOE PEEL 24-	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A2949551	TOMATO PASTE 48-6 Z	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A3281021	BIG JOHN'S BEANS'N F	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A3281501	TOMATOES STEWED #300	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
891500A3281681	TOMATOES PLD WHO # 2	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
891500A3281851	TOMATOES PLO.ITAL.ST	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
891500A3282251	PASTE TOMATO 96/6 OZ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A3282301	PUREE TOMATO PIC 10-	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A3284451	PUREE TOMATO 24/15 O	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A3410281	APPLESAUCE 35 OZ MDT	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A3482791	JUICE GRAPEFRUIT UNS	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
891500A3485701	JUICE TOMATO 8/6 PAC	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
891500A3485791	JUICE TOMATO 12/46 O	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A3486631	JUICE ORANGE UNSWTN	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
891500A3640281	PEAS BLACKEYE WITH B	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.

PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SDS	SDU	SMS	SRS
891500A3640641	YAMS LOUISIANA NR 3	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A3700401	TOMATO PASTE 6 OZ CN	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A3701631	TOMATOES STEWED 14.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A3702251	TOMATOES SOLID PK RM	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A4210121	PINEAPPLE FANCY SLIC	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A4210661	PINEAPPLE CRUSHED FA	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A4210961	JUICE PINEAPPLE FANC	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A4211081	JUICE PINEAPPLE 6PK	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A4211601	PINEAPPLE SLCD FNCY	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A4220521	PEAS EARLY JUNE 3 SV	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A4220601	CORN MEX W.K.W/PEPPE	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A4220681	CORN NIBLET W.K. 1.2Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A4221241	CORN WHITE SHOE PEG	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A4221281	CORN CREAM STYLE 17	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A4221401	ASPARAGUS FCY X-LONG	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A4222011	SALAD 3-BEAN 12/17 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A4222041	MUSHROOMS STEMS/PCS	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A4790601	MUSHROOMS FANCY SLIC	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A4790761	MUSHROOMS FANCY BUTT	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500J9000751	PEPPERONCINI PEPPERS	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500J9007341	JUICE APPLE 12/46 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500J9009081	JUICE ORANGE FROM CO	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A4353521	TACOSHELLSPACKAGE	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000G6761461	MACARONI 10 LB BX	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200011884621	CRLSHWHBT1500R70INDV	2	2	2	2	2	2	2	2	2	2	2	2	2	2
89200012594411	SPAGHETTI1010 LBS	2	2	2	2	2	2	2	2	2	2	2	2	2	2
89200012633881	NODDLESSLBS LBS	2	2	2	2	2	2	2	2	2	2	2	2	2	2
89200012789381	CRLBANFLK500R70INDV	2	2	2	2	2	2	2	2	2	2	2	2	2	2
89200012797771	HOMINYHOL# 21/ 2CAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1
89200013277821	CEREALASST700R100IND	2	2	2	2	2	2	2	2	2	2	2	2	2	2
89200014077481	FLRWT10LB 10 LB BG	2	2	2	2	2	2	2	2	2	2	2	2	2	2
89200014077491	FLRWT50LB 50 LB BG	2	2	2	2	2	2	2	2	2	2	2	2	2	2
89200016061651	STRECHEDCRN1 LB	2	2	2	2	2	2	2	2	2	2	2	2	2	2
89200016404461	CRLOATSPUF50 INDSERV	1	1	1	1	1	1	1	1	1	1	1	1	1	1
89200016404481	CRLBFW/RS500R70INDV	2	2	2	2	2	2	2	2	2	2	2	2	2	2
89200016568631	FLRWHB 1010 LB BG	2	2	2	2	2	2	2	2	2	2	2	2	2	2
89200016568641	FLRWHB 5050 LB BG	2	2	2	2	2	2	2	2	2	2	2	2	2	2
89200016832961	COOKYMXCHO#10 CAN	5	5	5	5	5	5	5	5	5	5	5	5	5	5
89200017111471	CRLMHTPUFF500R70INDV	1	1	1	1	1	1	1	1	1	1	1	1	1	1
89200017111521	CRLSHWHBIS50 INDSERV	3	3	3	3	3	3	3	3	3	3	3	3	3	3
89200017504291	COOKYMXSUG#10 CAN	3	3	3	3	3	3	3	3	3	3	3	3	3	3
89200019413911	CKMXYELLOW18-20 OZ	1	1	1	1	1	1	1	1	1	1	1	1	1	1
89200022206011	NODLECHWN#10 CAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2
89200022819481	CUP ICECRMCP	2	2	2	2	2	2	2	2	2	2	2	2	2	2
89200023899701	FRY MIX BRBAG	2	2	2	2	2	2	2	2	2	2	2	2	2	2
89200025238381	CRACKRSODA1 OR 2LBS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
89200025740181	CEREAL WW 2 20Z	1	1	1	1	1	1	1	1	1	1	1	1	1	1
89200026998281	CRLRICEPUF500R70INDV	2	2	2	2	2	2	2	2	2	2	2	2	2	2
89200027289391	CRLCORNF500R70INDV	1	1	1	1	1	1	1	1	1	1	1	1	1	1
89200027381921	CRLCORNF500R70INDV	1	1	1	1	1	1	1	1	1	1	1	1	1	1
89200043549181	CORNBRODMIX#10 CAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1
89200046350191	CRNFLKCRUMLB	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8920005302351	RICE 10LBS10 LB BAG	1	2	2	2	2	2	2	2	2	2	2	2	2	2

PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NWS	NDS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SD9	SDU	SMS	SRS
89200055968641	CRACKERS/DAPACKAGE	1	2	1	.	.	1	2	.	.	.	.	2	.	.	.
89200057759911	CR/LRICE/FLK500R70INDV	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200058464401	BARLEY 1 LB BX	1	.	1	.	.	.	.	.	.	.	.	.	.	.	.
89200061600241	CORNW/240224 OZ	1	.	2	1	.	.	.	.	.	.	.	.	.	.	.
89200078221291	LASAGNANDLCTN	1	1	2	2	1	1	.	.	2	2	.	2	.	1	1
89200078229811	CKMXPICE 18-20 OZ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
89200078229821	CKMIXWHIT18-20 OZ	2	1	4	.	2	2	.	1	1	1	.	2	.	4	4
89200078263531	PANCKMWHIT/10 CAN	1	2	2	1	2	2	1	2	2	2	2	2	.	2	2
89200082372211	CAKENIX DF5 LB	2	1	2	2	2	.	.	.	2	2	.	2	.	1	1
89200082372231	CAKENIX GB5 LB	2	1	2	2	2	.	.	.	2	2	.	2	.	1	1
89200082372271	CAKENIX WH5 LB	2	2	2	1	2	2	1	2	1	4	2	2	.	2	2
89200082372291	CAKENIX VL5 LB	1	.	2	2	2	2	2	2	1	1	.	2	.	1	2
89200092615391	SWDOUGH/MX/10 CAN	5	.	1	4	2	.	.	.	2	1	2	1	.	5	1
89200092649171	STARCH #10/10 CAN	2	.	.	.	.	.	.	.	2	1	.	.	.	2	.
89200092660161	BISCNIX/10/10 CAN	2	2	2	.	1	.	.	2	2	2	.	4	.	2	1
89200092660171	ROLL MIX #10 CAN	.	.	.	.	.	.	.	.	2	2	.	1	.	1	.
89200092660181	DONUT MIX #10 CAN	2	4	.	.	.	.	.	.	1	2	.	.	.	2	.
89200093532621	BROWNCHOC/10 CAN	1	2	2	2	2	3	.	.	4	1	.	4	.	1	2
89200093532631	BROWNCHOC/5/10 CAN	2	.	.	.	.	.	.	.	2	2	.	2	.	4	2
892000A0115841	STARCH CORN 1 LB ARG	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0420331	RICE EXTRA FANCY BLU	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
892000A0420771	RICE EXTRA LONG GRAI	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
892000A0490781	CAKE MIX ANGEL FOOD	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0491081	MUFFIN MIX BLUE BERR	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
892000A0491261	CAKE MIX BUTTER RECI	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0491991	CAKE MIX FUDGE MARBL	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0492211	CAKE MIX LEMON SUPRE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0492371	CAKE MIX SWISS CHOC	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
892000A0492591	BROWNIE MIX FAMILY 2	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0500031	MIX CAKE ONE LAYER B	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0500151	FLOUR ENR KITCHEN TE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0500701	FLOUR ENR SELF RISIN	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0500921	FLOUR INSTANTIZED EN	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0501371	MIX PIE CRUST STICKS	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0501911	MIX CAK WHITE 18.5 Z	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0501961	MIX CAKE DEVILS FD 1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0502851	MIX CAKE CHOC GERMAN	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0503011	MIX CAKE/APPLSCS RAS	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0503111	COOKIE MX CHOC CHIP	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0503141	COOKIE MX OATMEAL 30	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0503591	MIX BROWNIE FUDGE SU	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0503851	CAKE GLND POUND 16 Z	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0505091	CEREAL LUCKY CHARMS	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0506001	CEREALS WHEATIES 1 2	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
892000A0506251	CEREAL CHEERIOS 15 Z	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0506901	BISQUIT NEW 40 Z BI	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0580611	CEREAL HONEYCOMB RTE	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0580971	CEREAL ALPHA BITS 10	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0582081	RICE MINUTE 28 OZ PG	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0582421	STUFF MX CHKN 6 OZ	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0584141	CEREAL GRAPE NUTS 16	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0584991	CEREAL FRUITY 11 OZ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0870051	CEREAL OAT QUICK 18	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.

PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SDB	SDQ	SDU	SMS	SRS
892000A0870401	CORNMEAL YELLOW ENR	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0870821	GRITS HOMINY INSTANT	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0870931	GRITS HOMINY ENR QUI	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0871871	CEREAL NATURAL 100 %	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0872301	MIX PANCAKE ORIGINAL	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0872651	MIX PANCAKE BUTTERMIL	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0872821	MIX PANCAKE COMPLETE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0872851	MIX CORNBREAD EASY 1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0876541	CEREAL CAP N CRUNCH	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0880571	COOKIE MIX CHOCOLATE	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0960361	MACRONI ELBOW 1 LB M	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A0960801	SPAGHETTI THIN 3 LB	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A0961081	NOODLES EGG FINE 1 2	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.
892000A1170081	MIX MUFFIN CORN 8.5	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A1210071	CEREAL MINI - WHEATS	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A1210201	CEREAL CORN FLAKES 1	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A1210981	CEREAL RAISIN BRAN 2	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A1213121	POP-TARTS STRAWBERRY	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A1213251	POP-TARTS FROSTED DU	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A1213301	POP-TARTS FROSTED CI	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A1213351	POP-TARTS FROSTED GR	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A1213451	POP-TARTS FROSTED BL	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A1213551	POP-TARTS FROSTED ST	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A1213601	POP-TARTS FROSTED CH	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A1336141	CRACKERS CHEEZ-IT 16	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A1336451	CRACKERS KRISPY 8 OZ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A1350591	NOODLES EGG MEDIUM 1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A1350661	NOODLES EGG BROAD 1	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
892000A1500031	CRACKERS BACON FLAVO	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A1500091	CRACKERS TRISCUIT WA	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A1500371	CRACKERS CHICKEN IN	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A1500961	COOKIE ASSORTMENT FA	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A1501231	CRACKERS GRAHAM 16 O	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A1501861	CRACKERS SALTINES PR	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A1502251	CRACKERS RITZ 1 20Z	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A1502431	CRACKERS SOCIABLES 8	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A1502641	CRACKERS GRAHAM HONE	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A1502761	CRACKERS TRISCUIT WA	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A1502851	COOKIES NILLA WAFERS	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A1502921	CRACKERS WHEAT THINS	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A1506841	CEREAL SHREDDED WHEA	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A1507221	CEREAL FARINA QUICK	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
892000A1541351	PANCAKE MX EXTRA LGH	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A1541851	MX NUT BREAD QUICK 1	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A1541901	MX BANANA BREAD QUITC	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
892000A1542651	MX BROWNIE WALNUT 23	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A1542801	MX HOT ROLL 13.75 OZ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A1543151	FLOUR PILLSBURY BEST	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A1543571	MX PIE CRUST 11 OZ 6	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A1543601	MX CORN BREAD 19 OZ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A1960121	RICE LONG GRAIN 2LB	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
892000A1960211	RICE BROWN 12/1 LB U	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A1960421	RICE MIX LONG GRAIN	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.

PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NWS	NOS	NPS	NRS	NVS	NXS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
892000A2160061	CEREAL WHEAT GERM 1 2	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A 231371	RICE PLUMP TENDER GR	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A 232031	RICE BLUE ROSE 10 LB	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A2230881	COOKIES FIG BARS 15	.	.	.	.	.	.	.	.	.	.	5	.	.	.
892000A2233811	CRACKERS GRAHAM DELU	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A2233861	CRACKERS HONEY GRAHA	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A2234021	COOKIES ICED RAISIN	.	.	.	.	.	.	.	.	.	.	5	.	.	.
892000A2234071	COOKIES RICH' CHIPS	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A2234241	CRACKERS CLUB SPRAYE	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A2234291	CRACKERS TOWN HOUSE	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A2234401	SALTINES ZESTA 16 OZ	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A2234781	COOKIES PECAN SANDIE	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A2236711	CONE SUGAR 4 OZ 1 2C	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A2820201	CEREAL WHEAT CHEX 15	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A2820701	CEREAL CORN CHEX 16	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A3950301	SPAGHETTI 1 LB LA RO	.	.	.	.	.	.	.	.	.	.	3	.	.	.
892000A3950381	BREAD CRUMBS FLAVORE	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A3950401	MACRONI VERMICELLI 1	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A3950651	MACRONI SHELLS 1 LB	.	.	.	.	.	.	.	.	.	.	5	.	.	.
892000A3950951	MACRONI ELBOW 16 Z	.	.	.	.	.	.	.	.	.	.	3	.	.	.
892000A3952001	RIGOLETTI (ROTINI) 1	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A3952451	LASAGNE RIBBED 1 LB	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A3953301	NOODLES EGG WIDE FLUF	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A3953351	NOODLES EGG MED FLUF	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A4010121	RICE EXTRA LONG GRAI	.	.	.	.	.	.	.	.	.	.	5	.	.	.
892000A4921431	NOODLES RAMEN TOP OR	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A4921441	NULS RAMEN TOP BEEF	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A4921451	NOODLES RAMEN TOP CH	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A4921461	NOODLES RAMEN TOP PO	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000A4921551	CUP O'NOODLES SHRIMP	.	.	.	.	.	.	.	.	.	.	2	.	.	.
892000A4921561	CUP O'NOODLES BEEF F	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000J9001241	BREAD CRUMBS 24/10 O	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000J9007351	TOAST PLAIN MELBA 1 2	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892000L0991201	STUFFING HERB SEASON	.	.	.	.	.	.	.	.	.	.	4	.	.	.
89250012594541	MOLASSES # 21/ 2CAN	1	.	2	.	.	.	.	.	.	.	1	.	.	.
89250012640241	CANDY HARD3 LB CN	.	.	.	.	4	.	.	.	.	.	.	.	.	.
89250012805651	NUTSMXSHL#10 CAN	2	3	2	1	2	2	2	1	5	4	.	.	4	4
89250022206251	COCONUT #3/3 CYL CAN	2	2	2	1	2	2	.	2	.	.	1	.	.	.
89250022355041	SUGAR 35LB35 LBS	.	.	.	.	1	.	.	.	.	.	.	.	.	.
89250025259501	WALNUTS 1 LB	2	1	.	.	.	.	.	.	.	.	5	.	.	.
89250025638141	PECANS 1 LB CAN	2	.	2	.	2	.	.	.	.	.	5	.	.	.
89250061601851	CHOCOLTS#10W10 CAN	1	2	.	.	2	.	.	.	.	.	.	.	1	1
89250068267051	SYRUP #10 #10 CAN	2	2	4	.	5	.	.	2	2	.	.	.	1	1
89250068267081	SYRUP 21-2W 21/ 2CAN	5	1	2	.	2	.	.	2	2	.	.	.	2	1
8925007823181	CHOCCK12021 20Z	1	2	1	2	.	.	.	.	.	.	5	.	.	.
89250093532601	ICING MX C#10 CAN	.	1	.	.	.	.	.	1	2	.	2	u	2	2
89250093532611	ICING MX W#10 CAN	3	.	.	.	1	.	.	2	3	.	2	.	1	1
89250096515521	MARSHMALLO1 LB CO	1	.	2	.	.	.	.	.	.	.	2	.	.	.
892500A0110521	SYRUP RED LABEL PINT	.	.	.	.	.	.	.	.	.	.	5	.	.	.
892500A0300121	SYRUP LARGE 24 FL O	.	.	.	.	.	.	.	.	.	.	5	.	.	.
892500A0400371	COCONUT SHREDDED PGL	.	.	.	.	.	.	.	.	.	.	1	.	.	.
892500A0401011	COCONUT FLAKE POLY 7	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0421361	HONEY PURE 16 OZ KRA	.	.	.	.	.	.	.	.	.	.	5	.	.	.

PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NMS	NDS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SD0	SDU	SMS	SRS
89350048045611	SUPCN TOM #3 CYL CAN	3	1	1	2	1	.	.	.	.	.	.	.	.	.	.
89350048045631	SUPCN VEG #3 CYL CAN	1	1	.	.	.	.	.	.	.	.	.	.	.	.	.
89350048045641	SUPC VEGN/B#3 CYL CAN	1	2	.	2	.	.	.	2	.	.	.	.	.	.	.
89350048045651	CLAMCHOW#3 CYL CAN	1	2	.	2	2	.	.	.	.	.	.	.	.	.	.
89350054377891	SUPBASECHK 21/ 2CAN	1	1	1	2	2	1	.	1	.	.	.	2	.	.	.
893500A0970031	SOUP CONO TOMATO NO	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
893500A0970061	SOUP CONO BEAN W/BAC	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
893500A0970091	SOUP CONO CREAM OF C	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
893500A0970181	SOUP CONO VEGETABLE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
893500A0970271	SOUP CONO BEEF NDL	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
893500A0970331	SOUP CONO CREAM OF C	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
893500A0970391	SOUP CONO CHICKEN NO	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
893500A0970421	SOUP CONO CHKN W/RIC	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
893500A0970451	SOUP CONO CHKN & STA	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
893500A0970511	SOUP CONO MINESTRONE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
893500A0970541	SOUP CONO CREAM OF M	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
893500A0970601	SOUP CONO TURKEY NOD	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
893500A0970661	SOUP CONO VEG BEEF N	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
893500A0970671	SOUP CONO CHKN NDL	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
893500A0970781	SOUP CONO CRM OF POT	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
893500A0970811	SOUP CONO TOMATO RIC	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
893500A0970821	SOUP CONO CHKN BROTH	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
893500A0970991	SOUP CONO CHSE CHEDD	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
893500A0971051	CLAM CHOWDER CONO MA	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
893500A0971081	SOUP CONO CONSUMME N	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
893500A0971181	SOUP CONO CRM OF SHR	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
893500A0971741	SOUP BEEF CHUNKY 19	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
893500A0971831	SOUP CHICK NDL 19 O	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
893500A0974751	SOUP CONO CHKN VEG N	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
893500A1283841	BOUILLON INSTANT BEE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
893500A1283921	BOUILLON INSTANT CHI	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
893500A1350081	SOUP MIX NDL W/REAL	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
893500A1350211	SOUP MIX ONION 2-1-	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
893500A1350631	SOUP MX CKN NDL W/CK	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
893500A1351181	CUP-A-SOUP MX INST C	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
893500A1351191	SOUP-CUP-A MIX CREAM	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
893500A1353261	SOUP MIX CHKN NOODLE	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
893500A1353291	SOUP-CUP-A MIX BEEF	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
893500A3830261	BOUILLON CUBES CHICK	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
89400008060411	SCMXTOMBS# 21/ 2CAN	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
89400012633941	CHILLI W/OBN6.75 LBS	2	2	2	.	.	2	.	2	2	4	.	.	.	1	2
89400012772971	MINCMEAT #10 CAN	1	1	.	.	.	.	.	.	.	.	.	.	.	.	.
89400013186911	DESSERTBTR#10 CN	2	.	.	.	.	.	.	.	1	2	.	.	.	.	2
89400014871421	HASHCRNDBF#10 CN	2	1	.	.	.	2	.	.	.	.	.	.	.	.	.
89400045130231	PIFILLPREL#10 CAN	.	.	.	.	.	.	.	.	.	.	.	2	.	.	2
89400047890731	PIEFILLBLU#10 CAN	2	5	1	1	1	.	.	2	4	2	.	2	1	4	5
89400048045351	TOPICRMPN#10 CAN	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400048045361	TOPICRMB/S#10 CAN	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400048045381	10PICRMTW#10 CAN	1	2	.	.	.	.	.	.	.	.	.	.	.	.	.
89400048045481	RAVIOLI #10 CAN	2	2	1	2	2	2	2	2	4	2	.	2	.	2	2
89400048045491	TAMALES BF#10 CAN	2	1	1	4	2	.	.	.	.	.	.	.	.	.	.
89400051601271	MERINGUPWD#2-1/ 2CAN	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400061602261	PIEFILLAPL#10 CAN	2	.	2	2	1	2	1	2	4	1	.	1	.	5	2

PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE													
		NDS	NNS	NDS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SDR	SDQ	SDU	SMS SRS
89400061602271	PIEFILLCHRA#10 CAN	2	2	2	2	2	2	4	1	1	1	2	2	1	2
89400061602281	PIEFILLPCH#10 CAN	2	2	2	2	2	2	1	2	4	2	1	1	1	1
89400064189611	DESSERTCHER# 21/ 2CAN	2	1	2	2	5				4	1			1	2
89400064189621	DESSERTLEMM# 21/ 2CAN	2	1	1						2	4			2	1
89400064189631	DESSERTLIME# 21/ 2CAN	2	2	1		2				1	4			2	1
89400064189641	DESSERTORNG# 21/ 2CAN	2	2	2		1				2	2			1	2
89400064189651	DESSERTORNG# 21/ 2CAN	2	1							2	2			2	1
89400064189661	DESSERTORNG# 21/ 2CAN	2	1	2						1	2			1	2
89400068266091	POPCORN 10 OZ CAN	1	1			2	1								
89400078229701	PIEFILLAPL# 2CAN														
89400088937361	TOPPING 1 LB	2	2	1	2	2	2			2	2		5	2	5
894000A0050051	BEEFARONI 15 OZ CHEF												1		
894000A0050201	RAVIOLI BEEF 21/ 2L												2		
894000A0050711	SPAGHETTI & MEAT BAL												2		
894000A0050941	PIZZA MIX PEPPERONI												1		
894000A0051191	RAVIOLI MINI 15 OZ C												1		
894000A0052081	POPCORN W/BUTTER 4.5												2		
894000A0052091	COATING VEGETABLE SP												2		
894000A0054941	RAVIOLI BEEF 15 OZ C												2		
894000A0150201	GRAVY MIX BROWN 0.87												2		
894000A0480571	CHILI WITH BEANS 39												5		
894000A0482031	TAMALES 15 OZ. GEBHA												5		
894000A0500081	NOODLES ROMANOFF 5.5												2		
894000A0500991	MX FROSTING SR CR CH												2		
894000A0501021	MX FROSTING FLUFFY W												2		
894000A0501621	MIX FROSTING INST CO												2		
894000A0502341	SNACKS BUGLES 7 OZ 6												1		
894000A0581211	GELATIN RED FLAVOR A												2		
894000A0581261	GELATIN STRAWBERRY 6												1		
894000A0581401	GELATIN CHERRY 6 OZ												5		
894000A0582241	PUDING LEMON 3 3/4 OZ												2		
894000A0586201	PUDDING CHOCOLATE &												2		
894000A0586251	PUDDING VANILLA 3 1/												2		
894000A0820261	MEAT RAVIOLI IN SAUC												1		
894000A0840061	CHILI W/BEANS 7.5Z S												1		
894000A0840101	CHILI CON CARNE W/BE												1		
894000A0840271	HOT CHILI W/BEANS 7.												1		
894000A0840301	CHILI CON CARNE NO/B												1		
894000A0840461	BEEF STEW 7.5Z SHORT												1		
894000A0840551	BEEF STEW 1.5 LB #21												2		
894000A0840701	HASH CORNED BEEF 15												2		
894000A0840751	NOODLES N-BEEF 7. 5Z												2		
894000A0840801	HASH ROAST BEEF 15 O												5		
894000A0840861	BEANS N HAM 7.5Z SHO												2		
894000A0841981	CHILI MAC 7.5Z SHORT												1		
894000A0842041	LASAGNA 7.5 OZ #1465												2		
894000A0842051	SPAGHETTI-N-MEAT BAL												1		
894000A0970191	BEANS & FRANKS 15-3/												5		
894000A0970301	SPAGHETTIO'S 14-3/4												2		
894000A0970411	SPAG W/TOM SCE W/CHS												2		
894000A0970741	SPAGHETTI W/MEAT BAL												2		
894000A0971161	GRAVY BEEF 10-1/4 OZ												2		
894000A0972121	CHICKEN A LA KING 10												2		

PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NWS	NDS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDO	SDU	SMS	SRS
894000A0974831	CHICKEN N DUMPLINGS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0975001	GRAVY MJSHRM 10-1/2	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1090101	BFD STRND VEG & CHIC	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090121	BFD STRND VEG & BEEF	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1090151	BFD STRND VEG & BACO	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090241	BFD STRND CHN NOODLE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090401	BFD STRND TURKEY RIC	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090451	BFD STRND CARROTS 4.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090481	BFD STRND GREEN BEAN	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.
894000A1090541	BFD STRND MX VEG 4.5	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090571	BFD STRND PEAS 4.5-4	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090601	BFD STRND SQUASH 4.5	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090631	BFD STRND SWEET POT	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090661	BFD STRND GARDEN VEG	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090711	BFD STRND CREAMED CO	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1090721	BFD STRND PEACHES 4.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1090751	BFD STRND APPLESAUCE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090781	BFD STRND PEARS & PI	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090791	BFD STRND PEACH COBB	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1090801	BFD JUN PEACH COBBLE	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090821	BFD STRND JUICE ORAN	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1090831	BFD STRND JUICE APPL	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090841	BFD STRND PEARS 4.5-	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090851	BFD STRND JUICE ORAN	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090871	BFD STRND BANANAS W/	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090881	BFD STRND JUICE APPL	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090911	BFD STRND JUICE ORAN	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090941	BFD STRND JUICE FRUI	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.
894000A1090951	BFD STRND JUICE APPL	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1090991	BFD STRND PLUMS W/TA	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1091001	BFD STRND JUICE APPL	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1091021	BFD STRND FR DES 4.5	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.
894000A1091051	BFD STRND DUTCH APPL	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1091081	BFD STRND BAN W/P-AP	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
894000A1091261	BFD STRND CRL RICE W	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1091291	BFD STRND CRL MX W/A	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1091321	BFD STRND OATML W/AP	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1091411	BFD JUN VEG & CHICKE	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.
894000A1091471	BFD JUN VEGETABLES &	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1091501	BFD JUN VEG & BACON	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1091561	BFD JUN VEG & TURKEY	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1091591	BFD JUN CHN NOODLE D	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1091621	BFD JUN BEEF & EGG N	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1091651	BFD JUN SPAG TOM SAU	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1091741	BFD JUN VEG & HAM 7.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1091831	BFD JUN CARROTS 7.5-	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
894000A1091891	BFD JUN MIXED VEGETA	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1092011	BFD JUN PEACHES 7.5-	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1092041	BFD JUN APPLESAUCE 7	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1092071	BFD JUN PEARS & PINE	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1092101	BFD JUN APLESC & AP	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1092131	BFD JUNIOR PEARS 7.5	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1092221	BFD JUN APRICOTS W/T	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.

PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE													
		NDS	MNS	NOS	NPS	NRS	NWS	NXS	NZS	SAS	SBS	SDQ	SDU	SMS	SRS
894000A1092281	BFD JUN FRUIT DES 7.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1092311	BFD JUN DUTCH APPLE	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1092341	BFD JUN BAN W/P-APPLE	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1092941	BFD JUN BEEF 3.5 OZ	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1093421	BFD CEREAL OATMEAL 8	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1093451	BFD CEREAL RICE 8 OZ	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1094261	BFD CEREAL MIXED W/B	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1094291	BFD OATMEAL W/BANANA	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1350061	PLAIN GELATINE 4 ENV	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1350121	SALAD DRESSING LITE	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1350651	ICED TEA LOW-CAL W/L	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1500241	PRETZELS MISTER SALT	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1500321	PRETZELS STICKS MR S	.	.	.	.	.	.	.	.	.	.	5	.	.	.
894000A1541021	SWTNER LIQUID 6 OZ N	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A1542281	FRSTNG MLK CHOC SUPR	.	.	.	.	.	.	.	.	.	.	3	.	.	.
894000A1543271	FRSTNG STRWBERRY 16.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1680101	CHERRY PIE FILLING I	.	.	.	.	.	.	.	.	.	.	5	.	.	.
894000A1990091	SAUCE GRAVY&SEASNG M	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A1990781	GRAVY SCE&SEASNG MX	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A2701481	POPCORN YELLOW 2LB	.	.	.	.	.	.	.	.	.	.	4	.	.	.
894000A2820101	OYSTER STEW 10.5 OZ	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A2940601	FRUIT CUP DICE PEACH	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A2940651	FRUIT CUP MX FRUIT 1	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A2940701	PUDDING CUP VANILLA	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A2940801	PUDDING CUP CHOCOLAT	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A2940851	PUDDING CUP CHOC FUD	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A3030301	BFD FORMULA LIQ CONC	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A3030661	BFD FORMULA W/IRON R	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A3031001	BFD FORML. LIQ CONC.1	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A3180521	BFD FORMULA CONCEN/L	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A3180601	BFD FORM CONC/LIQ W/	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A3180811	BFD FORMULA CONC/LIQ	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A3180901	BFD FORM R-T-FEED LI	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A3180951	BFD R-T-F LIQ 3 2Z W	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A3251121	TOPPING ICE CRM CHOC	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A3446671	LIQUID DIET VERY VAN	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A3446681	LIQUID DIET VERY CHO	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A3446691	LIQUID DIET VERY STR	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A3446771	L'QUID DIET VERY DUT	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A3480041	BEEF/BARBECUE SAUCE	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A3480141	BEEF STEW 12/24 OZ N	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A4160251	DNR RICE-A-RONI CHIC	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A4160301	DNR RICE-A-RONI BEEF	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A4160391	DNR RICE-A-RONI SPAN	.	.	.	.	.	.	.	.	.	.	5	.	.	.
894000A4160471	DNR WILD RICE-A-RONI	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A4160551	DNR RICE-A-RONI FRIE	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A4160781	DNR MACARONI & CHEDD	.	.	.	.	.	.	.	.	.	.	5	.	.	.
894000A4450151	POPCORN YELLOW 28 OZ	.	.	.	.	.	.	.	.	.	.	1	.	.	.
894000A4810511	DINNER MACARONI 7.25	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A4810571	DINNER MACARONI DELU	.	.	.	.	.	.	.	.	.	.	5	.	.	.
894000A4811491	DINNER NOODLES W/CHE	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000A4812371	SALAD DRESSING LOW C	.	.	.	.	.	.	.	.	.	.	2	.	.	.
894000L0191301	BACON RINDS FR FRIED	.	.	.	.	.	.	.	.	.	.	2	.	.	.

PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NWS	NDS	NPS	NRS	NVS	WAREHOUSE				SBS	SD8	SD0	SDU	SMS	SRS
								NXS	NZS	SAS							
89450008093961	SHORTING5GA5 GALLON	2		2	2		1		2	1	2	2		2			
89450061600811	SALAD01L1G1 GALLON	2	2	2		2	2	1	1	2	1		1	1		1	1
89450061600821	SALD01L1QT1 QUART CN									5						1	3
89450089017761	SHORTENING5 QT CAN			2													
894500A0110181	OIL CORN 1-1/2 QUART													2			
894500A0490071	SHORTENING 1 LB. CRI													2			
894500A0490141	SHORTENING 12/3 LB.													2			
894500A0490631	OIL FOOD 128 FL OZ P													1			
894500A049221	OIL FOOD GIANT 48 FL													2			
894500A0780391	SHORTENING PRE-CREAM													2			
894500A3280251	OIL 15/LGE 24 Z #61 2													2			
894500A3281691	SHORTENING 48 OZ SNO													5			
894500A3282411	OIL GALLON PASTIC BT													2			
89500012563331	POWDER BKG1 LB	2	1	5	1	2	2	1	2	2	2	2	2	2		1	2
89500012780471	NUTMEG 1- 20Z CO	2			2									2			
89500012780491	CINNAMONR1 LB CN	2												2			
89500012780671	PEPRGRD 1#1 LB CAN	2	2	2	1	1	2	1	2	2	2	2	2	2		2	2
89500012788821	FLAVLEN8028 FLUID OZ													2			
89500012789191	SALDRSG GA1 GALLON	2									1	1				1	1
89500012789411	FLAVVAN8028 FLUID OZ	1		2	1	2								2			
89500012797461	PIKLSWT 10#10 CAN	2	2	2		2				2	2	2					
89500012797901	CATSUP140214 OZ BTL	1	1	2	5	2	1	2	1	5	1			2		4	2
89500012804351	CHILI PWDR4 OZ GL BT				2												
89500012805421	PIKLDILCQT1 QT JAR													2			
89500017095581	POULTRYSEA3-4 OZ CN																
89500017095651	PEPPRCAYGR1- 20Z CO	2												5			
89500017095711	CLOVESGRND1- 20Z CO		1														
89500017095731	CINNAMON 3-4 OZ CN			2													
89500020509361	SALDRSG2.5# 21/ 2CAN	1	2	1	1	2	1	1	1	1	2			1		2	
89500029296111	SODA BKG 1 LB	2	2	2	1	2	1			4	2	2	1	1		2	4
89500048905461	PEPR1KL10#10 CAN	2	1	1				5	2								
89500054376981	MUSTRD21/2# 21/ 2CAN	2	2	2		2				2	3					1	
89500057745941	SALDRSG QT1 QUART JR									1	2					4	2
89500058214021	OREGANO 1- 20Z CO	4			2									2			
89500061645131	FDCLRASSTASSORTMENT		2														
89500061654831	THYME 1- 20Z CO													2			
89500061654841	GINGRGR3-43-4 OZ CO	1			2	5											
89500061654891	CURRY PWDR1- 20Z CO													2			
89500075329621	CHILI PWDR1 LB GL BT	2		1										2			
89500075363691	ANTIOXIDNTJAR	2															
89500078267021	FLVRIMVANI32FLUID OZ													2			
89500088968891	RELISH PT 1 PT JR													2			
89500088968901	PIKLDILCQT1 QT JR													2			
89500093532541	SOY SAUCE 16FLUID OZ	2		1						2							
89500093564091	CONDPKTGRNPACKET															2	
895000A0050271	PIZZA SAUCE 10 1/ 20													1			
895000A0050431	SPAGHETTI SAUCE W/ME													2			
895000A0110011	MAYONNAISE QUART HEL													1			
895000A0110031	SANDWICH SPREAD PI													1			
895000A0110291	TARTER SAUCE 8 OZ HE													1			
895000A0151161	SPICE SEASON-ALL 3-1																
895000A0151651	SALT GARLIC 3-1/ 20Z													5			
895000A0151741	GARLIC POWDER 1-1/4													1			

PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NWS	NDS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDO	SDU	SMS	SRS
895000A0156211	ONION MINCED 4-1/4 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0156251	FLAKES PARSLEY DEHYD	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0157661	SPICE PEPPR BLK 4 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0403641	OLIVES MANZANILLAS S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0404381	OLIVES MANZ. STUFF TH	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0421201	OLIVES RIPE X-LG PIT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0480991	CHILI POWDER 3 OZ.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0580111	BAKING POWDER 7 OZ C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0584311	BARBECUE SAUCE 18 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0587281	DRSNG MX ITAL SALAD	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0587331	DRSSNG SALAD MX REFI	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0981031	PICKLES SWEET 2 20Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0981231	RELISH INDIA 9-3/4/1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0981361	SAUCE STEAK NO. 57 1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0981531	VINEGAR TARRAGON 1 2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0981651	VINEGAR CIDER QUART	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0981831	PICKLES SWEET CUCUMB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0981871	PICKLE POLISH STYLE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0982171	PICKLES KOSHER DILL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0983421	SAUCE BBQ REGULAR W/	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0983931	KETCHUP TOMATOE 14 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0984091	PICKLES HAMBURGER DI	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0984301	CHILI SAUCE 1 20Z HE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0984371	VINEGAR WHITE QUART	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0984391	PICKLES DILL KOSHER	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0984401	PICKLES DILLS PROCES	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0984441	GENUINE DILLS 46 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A1350361	SALAD DRESSING ITALI	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A1350541	SALAD DRESSING DELUX	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A1440141	SAUCE WORCESTERSHIRE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A1470031	VINEGAR WINE RED 1 2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A1470081	SAUCE TABLE 5 OZ #00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A1800091	HOT SAUCE 20Z TABAS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A1980431	MUSTARD CREAM SALAD	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A1991131	SPAGHETTI SAUCE MIX	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A1991161	SAUCE CHILLO 1 3/4 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A1991201	SCE MX SOUR CREAM 1.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A1992321	MIX GRAVY SLOPPY JOE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A 240041	ENCHILADA SAUCE MILD	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A 240161	SAUCE TACO 4 OZ #730	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A2310141	SALT IODIZED 26 OZ D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A2943601	SWEET RELISH 12-1 20	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A3280161	KETCHUP TOMATO 3 20Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A3281651	SAUCE TOMATO 72/8 8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A3281701	SAUCE TOMATO #300 15	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A3284111	SAUCE TOMATO W/MUSHR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A3430081	SALT IODIZED 26 OZ.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A3640951	PEPPERS TORRIDO HOT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A3890081	BAKING SODA 1 LB ARM	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A3900701	OLIVES JUMBO PITTED	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A140181	SPAGHETTI SCE MIX W/	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A4380101	SAUCE MARINADE TERIY	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NWS	NDS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SDR	SDO	SDU	SMS	SRS
895000A4380251	SOY SAUCE 12/10 OZ. B	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A4510351	SAUCE SPAGHETTI W/ME	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A4813171	SALAD DRESSING MIRAC	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895000A4813321	MUSTARD PLASTIC BT 8	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A4814031	SALAD DRESSING CR CU	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A4814701	SAUCE BBQ 18 OZ BT #	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895000A4814711	MAYONNAISE REAL 16 O	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
895000A4814741	MAYONNAISE REAL 3 20	.	.	.	.	.	.	.	.	.	.	.	4	.	.	.
895000A4814961	SALAD DRESSING FRENC	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A4819801	SALAD DRESSING 1000	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A4819871	SALAD DRESSING MIRAC	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A5290021	PICKLES KOSHER BABY	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895000A5290061	PICKLES KOSHER SPEAR	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A5290081	PICKLES POLISH SPEAR	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895000A5290151	PICKLES KOSHER BABY	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A5290261	PICKLES SWEET BUTTER	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895000A5290331	SAUERKRAUT 3 20Z. VL	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A5290421	PICKLES SWEET PICKLE	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
895000A5290581	PICKLES HAMBURGER CH	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000A5290931	COCKTAIL ONIONS 8 O	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895000A5630011	SAUCE PICANTE 8 OZ #	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895000V0570061	OLIVES GREEN STF 70Z	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
89550022358061	COCOA 1/2CN1 LB	1	5	1	.	1	.	.	.	2	2	.	.	.	1	2
89550028653681	COFFEE, RST 2LB CAN	1	1	1	2	2	.	2	.	2	1	.	1	.	2	1
89550028653691	COFFEE, RST3 LB CAN	2	2	2	.	.	.	2	2	2	1	.	1	.	1	1
89550028653721	COFFEE, RST20 LB CAN	2	2	1	1	1	1	1	1	4	1	.	1	.	1	2
89550078232141	TEAING-3/46-3/4 OZ	1	1	1	.	1	.	.	.	.	.	.	.	.	.	.
895500A0140061	COFFEE DRIP 1 LB GRD	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895500A0140201	COFFEE REGULAR 3 LB	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.
895500A0140221	COFFEE ELEC PERC 3 L	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895500A0151311	TEA BAGS OP&P 100/CA	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895500A0480191	MIX COCOA INSTANT 1 2	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
895500A0484101	MINI-MARSHMALLOW MIX	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
895500A0550361	COCOA HERSEY S INST	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
895500A0580181	COFFEE REGULAR GRIND	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895500A0581221	COFFEE FREEZE DRIED	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895500A0584171	COFFEE DRIP GRIND 1	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
895500A0584181	COFFEE REGULAR GRIND	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895500A0584191	COFFEE DRIP GRIND 2	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895500A0584351	COFFEE INSTANT 6 OZ	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895500A0584371	MAXWELL HOUSE INSTAN	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895500A0880721	COFFEE FRZ DRIED DEC	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
895500A0881531	COCOA MIX HOT 10/ 1	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895500A0881811	TEA INST SOLUBLE IN	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895500A1350831	TEA BAGS 100 CT 8 OZ	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895500A1351121	TEA ICED MIX LEMON F	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
895500A1351301	TEA INSTANT 100 % PU	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895500A1351411	TEA BAGS BLACK OP&P	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
895500A3050771	TEA BAGS WITH TAGS 1	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.
896000A45882481	BEVBSRTB6 GL YIELD	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.
89600055949141	COCBEVPMDBLB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
896000A0580821	BEVERAGE URANGE 27 O	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
896000A0581341	BEV LMNDE 30 OZ SUGA	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.

PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NWS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SDB	SDQ	SDU	SMS	SRS
896000A0581351	BEV GRAPE 30 OZ SUG	.	.	.	.	.	.	.	.	.	.	1	.	.	.
896000A0581391	BEV CHERRY 12/30 OZ	.	.	.	.	.	.	.	.	.	.	1	.	.	.
896000A0581491	BEV ORANGE 12/30 OZ	.	.	.	.	.	.	.	.	.	.	1	.	.	.
896000A0581501	BEV STRWBERRY 30 OZ	.	.	.	.	.	.	.	.	.	.	2	.	.	.
896000A0581511	BEV RASPBERRY 30 OZ	.	.	.	.	.	.	.	.	.	.	1	.	.	.
896000A0581531	BEV MIX ORANGE 288 E	.	.	.	.	.	.	.	.	.	.	1	.	.	.
896000A0581551	BEV MIX GRAPE 288 EN	.	.	.	.	.	.	.	.	.	.	2	.	.	.
896000A0581581	BEV MIX CHERRY 288	.	.	.	.	.	.	.	.	.	.	1	.	.	.
896000A0581591	BEV MIX STRWBERRY 2	.	.	.	.	.	.	.	.	.	.	2	.	.	.
896000A0581601	BEV MIX RASPBERRY 28	.	.	.	.	.	.	.	.	.	.	2	.	.	.
896000A0586721	MX SOFT DRNK ASST 4	.	.	.	.	.	.	.	.	.	.	1	.	.	.
896000A0880291	CHOC BEV PREPARED CO	.	.	.	.	.	.	.	.	.	.	1	.	.	.
896000A0880451	DRINK COLD PDWR STRA	.	.	.	.	.	.	.	.	.	.	2	.	.	.
896000A1280571	DRINK MIX ORANGE 3 O	.	.	.	.	.	.	.	.	.	.	5	.	.	.
896000A1284831	DRINK MIX LEMONADE 3	.	.	.	.	.	.	.	.	.	.	5	.	.	.
896000A1570101	BEVERAGE CHOCOLATE F	.	.	.	.	.	.	.	.	.	.	2	.	.	.
896000A3700381	BREAKFAST INST VARIE	.	.	.	.	.	.	.	.	.	.	1	.	.	.
896000A3703261	BREAKFAST INST CHOC	.	.	.	.	.	.	.	.	.	.	2	.	.	.
897500A0530011	CIGARETTES MORE FILT	.	.	.	.	.	.	.	.	.	.	.	2	.	.
897500A0530121	CIGARETTES WINSTON F	.	.	.	.	.	.	.	.	.	.	1	.	.	.
897500A0530131	CIGARETTES 20S - 100	.	.	.	.	.	.	.	.	.	.	2	1	.	.
897500A0530181	CIGARETTES SALEM MEN	.	.	.	.	.	.	.	.	.	.	1	1	.	.
897500A0530201	CIGARETTES 100 S TAX	.	.	.	.	.	.	.	.	.	.	1	2	.	.
897500A0530361	CIGARETTES KING-SIZE	.	.	.	.	.	.	.	.	.	.	2	2	.	.
897500A0531141	CIGARETTES CAMEL FIL	.	.	.	.	.	.	.	.	.	.	2	.	.	.
897500A0531191	CIGARETTES SALEM LIGH	.	.	.	.	.	.	.	.	.	.	.	1	.	.
897500A1750191	CIGARETTES 100S FILT	.	.	.	.	.	.	.	.	.	.	5	2	.	.
897500A1750221	CIGARETTES 100S MENT	.	.	.	.	.	.	.	.	.	.	1	5	.	.
897500A1750241	CIGARETTES FILTER LO	.	.	.	.	.	.	.	.	.	.	2	1	.	.
897500A1750301	CIGARETTES SF PK KNG	.	.	.	.	.	.	.	.	.	.	.	2	.	.
897500A1750411	CIGARETTES FILTER KI	.	.	.	.	.	.	.	.	.	.	.	2	.	.
897500A1750431	CIGARETTES FILTER IO	.	.	.	.	.	.	.	.	.	.	.	2	.	.
897500A1751741	CIGARETTES KING SZ S	.	.	.	.	.	.	.	.	.	.	1	1	.	.

Appendix M

Model Assignment for Semiperishable Subsistence by
Stock Number and Warehouse

*****FORECAST MODEL ASSIGNMENT FOR SUBSISTENCE ITEMS BY WAREHOUSE*****
 *****SORTED BY MODEL ASSIGNED AND STOCK NUMBER*****
 *****SEMIPERISHABLE SUBSISTENCE*****

FINAL GROUP OF FIVE MODELS

L	MODEL #	NOMENCLATURE	% OF RECORDS ASSIGNED	% REDUCTION IN RMSE	% RECORDS WITH POSITIVE IMPROVEMENT
E					
A					
D	1	12-MO AVG	29.0%	11.9%	91.1%
	2	COMBINED	47.3%	10.3%	89.8%
T	3	LAST LT	5.5%	5.2%	74.5%
I	4	LAST YEAR	6.8%	33.5%	100.0%
M	5	AR1 LAG	11.4%	13.6%	92.8%
E					
		GROUP	100.0%	12.4%	90.4%

P	MODEL #	NOMENCLATURE	% OF RECORDS ASSIGNED	% REDUCTION IN RMSE	% RECORDS WITH POSITIVE IMPROVEMENT
R					
O					
C	1	12-MO AVG	34.3%	8.3%	89.9%
	2	COMBINED	51.5%	7.2%	81.6%
C	3	LAST PC	4.6%	7.5%	84.8%
Y	4	LAST YEAR	3.9%	18.8%	98.7%
C	5	AR1 LAG	7.9%	10.7%	92.8%
L					
E		GROUP	100.0%	8.3%	86.1%

12-MO AVG LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	NDS	MNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
651000A0921221	NAPKINS SUPER 30 PER	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
651000A0923861	NAPKINS FEMININE NEW	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
651000A1581501	BANDAGES ADHESIVE 70	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
651000A5480021	TAMPONS 40 PER PG SU	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
681000A3431161	DEGREASER GREASE REL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
681000A4461121	WATER CONDITIONER RE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
684000A0190481	DISINFECTANT AEROSOL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
721000B5109411	CLOTH DISH PKG 4 IB	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
721000B5109801	CLOTH ALL-PURPOSE PK	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
733000B5109461	POTHOLDERS QUILTED C	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
792000A3040061	SOAP FILLED PADS #03	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
792000B5109161	BRUSH SANITARY BOWL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
792000B5109181	BRUSH SCRUBBING HOUS	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
792000B5109241	MOP BLOCK SPONGE WIT	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
792000B5109261	MOP STICK OR YACHT W	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0051261	SOAP LIQ COLD WATER	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0201231	WAX ONE STEP FOR WOO	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0491921	CLEANER GIANT 21 OZ.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A1241741	CLEANER GIANT 1 LB	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A3042861	STAINLES STEEL & ALU	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A4680621	DUST CONTROL SPRAY 1	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A4683101	CLEANER TOILET BOWL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
810500A2170161	BGS. SANDWICH 15OCT. 6	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
813500A2100121	ALUM FOIL REG. 75 SQ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
813500A2100161	ALUM FOIL REG. 200 SQ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
813500A2170061	WRAP FOOD PLASTIC 12	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
813500A3630331	BAGS GAL SIZE 20'S Z	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
851000A0760051	LOTION W/DISP 15 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
851000A4480161	DEODORANT RIGHT GUAR	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
852000A0301761	TOOTH PASTE FAMILY 6.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
852000A1243031	TOOTH PASTE FAMILY 7	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
852000A1243271	SOAP DEODORANT BATH	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
852000A4480121	CREAM SHAVING FOAMY	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
853000A4482061	RAZOR BLADES TRAC 11	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
854000A0920281	TISSUE FACIAL ASST 1	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
854000A1240071	TOWELS REUSABLE 8 AS	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
854000A2071401	TISSUE FACIAL ASSTD	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
854000A3204041	TOWELS BG RL DECD PR	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
854000A4300921	TISSUE TOILET ASSTD	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A1120901	DOG FOOD BEEF STEW C	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A1500211	BISCUITS DOG MILK-80	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A1900521	PET FOOD TUNA N CHIC	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A2050841	CAT FD SUPER SUPPER	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A2051001	CAT FOOD LIVER N'CRE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A2051221	CAT FD MACKEREL DINN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A2820641	CAT CHOW ORIGINAL BL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A2821341	PET FD SEAFOOD 12 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A2822701	PET FOOD TUNA 12 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A2822851	PET FOOD GOURMET 12	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89050012640201	LUNCH MEAT6 LB CAN	X	.	.	X	.	.	.	.	.	.	.	.	.	.	.
89050026700401	TUNA 6.5-76.5-7 OZ	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
89050058213431	SARDINES CAN	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.
89050064189411	TUNA 12.5OZ 12.5-13 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X

12-MO AVG LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SDB	SDQ	SDU	SMS	SRS
89050093531611	TUNA 4LB #603X408CN	.	.	X	.	X	.	.	.	X	.	.	.	.	.	X
890500A0840131	CHICKEN BREAST OF CH	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A0840141	TURKEY TENDER CHUNK	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A0840631	SPAM SMOKE FLAVORED	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A2391651	CLAMS SMOKED 3.66 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A3482121	SALMON PINK 24/15.5	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A4190521	SHRIMP REG SMALL 4-1	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890501V0309261	SARDINS MUSSC 3 3/4OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89100012634431	MILKEV14.514.5 OZ CN	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.
89100061601601	CHEESE GRT3 OZ	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
89100078233161	SOURCRESSMAPACKAGE	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89100078237651	CHEESE GRT1 LB CO	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150008101201	BEANKDNY 22 LB BAG	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.
89150008516501	JCEGRTS3 #3 CYL CAN	X	.	.	.	.	.	X	.	.	.	.	.	.	.	X
89150012718791	BLUBERY 104/10 CAN	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.
89150012779951	PEAS DRY 1 LB PKG	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150012796771	POT WH 10 #10 CAN	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89150013062511	JUICE VEG#3 CYL CAN	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89150013263481	APPLSE 303#303 CAN	.	X	.	.	.	.	.	.	X	.	.	.	.	.	.
89150014108331	JCEGRTS3#3 CYL CAN	.	X	X	.	.	X	.	.	.	X	.	.	.	.	.
89150014915711	GARLICDEHY12 OZGL JR	.	.	X	.	X	.	.	.	.	.	.	.	.	.	.
89150017049381	BEANPIN1LB1 LB CO	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
89150018371351	JCEAS1/4-65 1/4-6 OZ	.	X	X	.	.	.	.	.	.	.	.	.	.	.	.
89150018456011	BEANS/PORK#10 CAN	X	X	.	.	X	.	.	.	X	.	X	.	.	.	X
89150020509371	JCE051/4-65 1/4-6 OZ	X	.	X	.	.	.	.	.	.	.	.	.	.	.	.
89150020509381	JCEPINEAPL5-1/2-6FLZ	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150022358001	JCEG51/4-65-1/4-6FLZ	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89150024128001	JUCEORNG #3 CYL CAN	X	X	X	.	.	.	.	.	.	.	.	.	.	.	X
89150024656341	CRNBRY WHL#300 CAN	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
89150025180681	CRNBRYJ300#300 CAN	.	.	X	.	.	.	X	.	.	.	.	.	.	.	.
89150025505231	JUICETOM#3#3 CYL CAN	.	X	.	.	.	.	.	.	X	.	X	.	.	.	.
89150025679931	JUICE VEG 5-1/2-8 OZ	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89150028118091	JUICE GRP 3#3 CYL CAN	X	X	.	.	.	.	.	.	X	.	X	.	.	.	.
89150028525461	SPINACH303#303 CAN	.	.	.	.	.	.	.	.	X	.	.	.	.	.	X
89150028654831	FRTCKT21/2#2 1/2 CAN	.	X	.	.	.	.	.	.	X	.	.	.	.	.	X
89150058427951	PCHSHF21/2#2 1/2 CAN	.	.	.	.	.	.	.	.	X	.	.	.	.	.	X
89150058427961	PCHSSL21/2#2 1/2 CAN	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.
89150061602241	PEARHF21/2#2 1/2 CAN	.	.	.	.	.	.	.	.	X	X	.	.	.	.	.
89150061648161	BEANWAX303#303 CAN	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.
89150078263651	BEANSTOMSC#3 CYL CAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	X
89150085165641	CRNBRYJ#10#10 CAN	.	.	.	.	.	.	X	.	.	.	.	.	.	.	X
89150092667701	CRNBRY2/3032VAC/303CN	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
89150092667931	BEANKDNY10#10 CAN	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.
89150097505301	PARSLEY 1-1/2 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A0425751	TOMATOES DUCHESS CAL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A0770881	DRINK GATORADE 32 Z	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A0775101	BEANS W/PORK 12/53	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A0775401	BEANS BUTTER NO.300	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A0970161	JUICE VEG COCKTAIL 4	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A1280101	JUICE LEMON 32 OZ. R	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A1281321	JUICE LEMON 8 OZ REA	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A1281481	JUICE LEMON 4-1/2 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A1281531	JUICE LIME 8 OZ REAL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.

12-MO AVG LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE														
		NDS	MNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
891500A2641051	LENTILS DRY 12 OZ HU	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A2800631	POTATOES SCALLOPED D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A2940751	PRUNES PITTED 24-12	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A2942551	PEARS HALVES 24-16 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A2943631	TROPICAL FRUIT SALAD	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A2947151	BEANS FRENCH STYLE S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A2948101	CORN WK FAM STYLE GL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A3485791	JUICE TOMATO 12/46 C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A3486631	JUICE ORANGE UNSWTN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A3640281	PEAS BLACKKEYE WITH B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A3640641	YAMS LOUISIANA NR 3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A3702251	TOMATOES SOLID PK RN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A4210121	PINEAPPLE FANCY SLIC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A4210961	JUICE PINEAPPLE FANC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A4220681	CORN NIBLET W.K. 12 Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A4221241	CORN WHITE SHOE PEG	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A4222011	SALAD 3-BEAN 12/17 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A4790481	MUSHROOMS STEMS/PCS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500J9000751	PEPPERONCINI PEPPERS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500J9007341	JUICE APPLE 12/46 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500J9009081	JUICE ORANGE FROM CO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200004353521	TACOSHELLSPACKAGE	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89200006761461	MACARONI 10 LB BX	.	.	.	X	.	.	.	.	.	X	X	.	.	X	X
89200011884621	CRLSHWHBT1500R70INDV	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200012594411	SPAGHETTI1010 LBS	X	.	.	.	.	.	.	.	.	X	.	.	.	.	.
89200012633881	NOODLES5LBS LBS	.	.	.	.	.	X	.	.	.	.	.	X	.	.	.
89200012789381	CRLBRANFLK500R70INDV	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200012797771	HOMINYWHL#2 1/2 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200013277821	CEREALASST700R100IND	X	.	.	.	.	.	X	.	.	.	.	.	.	.	.
89200014077481	FLRWT10LB 10 LB BG	.	X	.	X	.	.	.	.	.	X	X	.	.	.	.
89200014077491	FLRWT50LB 50 LB BG	.	.	.	.	.	.	.	.	.	X	X	.	.	.	.
89200016061651	STRCHEDCRN1 LB	.	X	.	.	.	X	.	.	.	X	X	.	.	.	X
89200016404461	CRLOATSPUF50 INDSEV	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200016404481	CRLBFRW/R5500R70INDV	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.
89200016568631	FLRWHTB 1010 LB BG	X	.	.	X	.	.	.	.	.	X	X	.	.	.	X
89200016568641	FLRWHTB 5050 LB BG	X	.	.	.	.	.	.	.	.	X	X	.	.	.	.
89200016832961	COOKYMXCHD#10 CAN	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.
89200017111471	CRLWHITPUFF500R70INDV	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200017504291	COOKYMXSUG#10 CAN	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.
89200022206011	NOODLECHWMN#10 CAN	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89200022819481	CUP ICECRMCP	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89200023899701	FRY MIX BRBAG	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200025238381	CRACKRSODA1 OR 2 LBS	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89200027289391	CRLCORNF500R70INDV	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.
89200043549181	CORNBDMIX#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200053021851	RICE 10LBS10 LB BAG	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200055968641	CRACKRSODAPACKAGE	X	.	.	.	.	X	.	.	.	.	.	.	.	.	.
89200057759911	CRLRICEFLK500R70INDV	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200058464401	BARLEY 1 LB BX	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200061600241	CORNML240Z24 OZ	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200078221291	LA SAGNANDLCTN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200078263531	PANCKMXWHIT#10 CAN	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.
89200082372211	CAKEMIX DF5 LB	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.

12-MO AVG LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NWS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SDB	SDQ	SDU	SMS	SRS
892000082372231	CAKEMIX G85 LB	.	.	.	X	.	.	.	.	X	.	.	.	.	.	.
892000082372271	CAKEMIX WH5 LB	.	.	.	X	.	.	.	.	.	X	.	.	.	.	.
892000092615391	SWTDOUGH#10 CAN	.	.	X	.	.	.	.	.	.	.	.	X	.	.	.
892000092649171	STARCH #10/10 CAN	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.
892000092660161	BISCMIX#10/10 CAN	.	.	.	X	.	.	.	.	.	.	.	.	X	.	.
892000092660171	ROLL MIX #10 CAN	.	.	.	.	.	.	.	.	.	X	.	.	X	.	.
892000093532621	BRWNXCHOC#10 CAN	X	.	.	.	X	.	.	.	.	.	.	.	.	.	.
892000093532631	BRWNXIB/S#10 CAN	X	.	.	.	.	.	.	.	X	.	.	.	.	.	X
8920000491991	CAKE MIX FUDGE MARBL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	CAKE MIX FUDGE MARBL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	MIX PIE CRUST STICKS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	MIX CAKE CHOC GERMAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	COOKIE MX CHOC CHIP	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	COOKIE MX OATMEAL 30	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	CEREAL HONEYCOMB RTE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	STUFF MX CHKN 6 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	CEREAL GRAPE NUTS 16	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	CEREAL OAT QUICK 18	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	CEREAL NATURAL 100 %	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	MIX PANCAKE ORIGINAL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	MIX PANCAKE BUTTERM	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	MIX CORNBREAD EASY 1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	CEREAL MINI - WHEATS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	CEREAL RAISIN BRAN 2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	POP-TARTS FROSTED CI	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	CRACKERS CHICKEN IN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	CRACKERS SOCIABLES 8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	CRACKERS GRAHAM HONE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	COOKIES NILLA WAFERS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	CEREAL SHREDDED WHEA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	PANCAKE MX EXTRA LGH	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	MX PIE CRUST 11 OZ 6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	RICE LONG GRAIN 2 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	RICE BROWN 12/1 LB U	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	RICE MIX LONG GRAIN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	CEREAL CORN CHEX 16	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	NODLS RAMEN TOP BEEF	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	NODLES RAMEN TOP CH	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	MOLASSES #2 1/2 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	COCONUT #3/3 CYL CAN	X	X	.	X	X	.	.	.	.	.	.	.	.	.	.
8920000491991	WALNUTS 1 LB CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	PECANS 1 LB CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	CHOC LTS#10/10 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	SYRUP #10 #10 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	CHOCCK120212 OZ	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	ICING MX C#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	ICING MX V#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	MARSHMALLO1 LB CO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	COCONUT FLAKE POLY 7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	CHOCOLATE BAKING 1/2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	SYRUP LOG CABIN 24 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	CHOCOLATE SEMI-SWEET	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	CHOCOLATE MORSELS SE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8920000491991	ALMONDS SHELLED SMOK	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

12-MO AVG LEADTIME

STOCK NUMBER ITEM NOMENCLATURE

WAREHOUSE

NDS NWS NDS NPS NRS NVS NX5 N75 SAS SRS SDB SDQ SDU SMS SRS

892500A0900021 ALMONDS BARBECUE 6 O
 892500A1660301 HONEY 1 LB CLOVER NR
 89300012907951 MARMALADE 2 LB JAR
 893000A0115341 PEANUT BUTTER CHUNK
 893000A0310251 JAM GRAPE 20 OZ 511-
 893000A0780261 PEANUT BUTTER SMOOTH
 893000A3250331 PRESERVES BLUEBERRY
 893000A3250471 PRESERVES GRAPE JAM
 893000A4811591 JELLY GRAPE 2 LB #54
 893000A4813251 PRESERVES STRAWBERRY
 89350023462171 SOUPBASEB#2 1/2 CAN
 89350041943221 UPCBARW/B#3 CYL CAN
 89350048045501 UPCBN/BAC#3 CYL CAN
 89350048045521 SUPCNBNDL#3 CYL CAN
 89350048045531 SUPCNCHDL#3 CYL CAN
 89350048045541 SUPCNCHW/R#3 CYL CAN
 89350048045551 SUPCNCRMCH#3 CYL CAN
 89350048045561 SUPCNCR/MU#3 CYL CAN
 89350048045591 SUPCNSPPEA#3 CYL CAN
 89350048045611 SUPCN TOM #3 CYL CAN
 89350048045641 SUPCPEGW/B#3 CYL CAN
 89350054377891 SUPBASECHK2 1/2 CAN
 893500A0970031 SOUP COND TOMATO NO
 893500A0970271 SOUP COND BEEF NDLE
 893500A0970331 SOUP COND CREAM OF C
 893500A0970391 SOUP COND CHICKEN NO
 893500A0970421 SO'P COND CHKN W/RIC
 893500AC970511 SOUP COND MINESTRONE
 893500A0970541 SOUP COND CREAM OF M
 893500A0970601 SOUP COND TURKEY NOO
 893500A0970661 SOUP COND VEG BEEF N
 893500A0970671 SOUP COND CHKN NDLE-
 893500A0970781 SOUP COND GRM OF POT
 893500A0970811 SOUP COND TOMATO RIC
 893500A0970991 SOUP COND CHSE CHEDD
 893500A0971051 CLAM CHOWDER COND MA
 893500A1283841 BOUILLON INSTANT BEE
 893500A1350211 SOUP MIX ONION 2-1-
 893500A1351181 CUP-A-SOUP MX INST C
 893500A1353261 SOUP MIX CHKN NOODLE
 893500A1353291 SOUP-CUP-A MIX BEEF
 89400012633941 CHILI W/OBNG.75 LBS
 89400012772971 MINCEMEAT #10 CAN
 89400013186911 DESSERTS#10 CN
 89400014871421 HASHCRNDRF#10 CN
 89400045130231 PIFILLPREL#10 CAN
 89400047890731 PIFILLBLU#10 CAN
 89400048045381 TOPICRMSTW#10 CAN
 89400048045481 RAVIOLI #10 CAN
 89400048045491 TAMALES BF#10 CAN
 89400061602261 PIFILLAPL#10 CAN
 89400061602271 PIFILLCHR#10 CAN
 89400061602281 PIFILLPCH#10 CAN

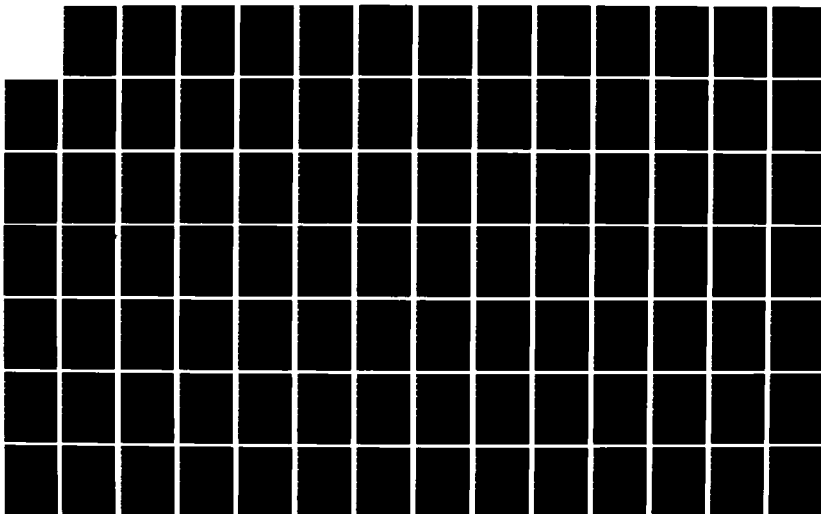
RD-A166 750

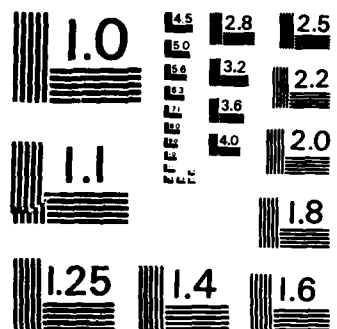
REPORT ON THE EVALUATION OF DEMAND FORECASTING
TECHNIQUES FOR THE SUBSISTENCE COMMODITY VOLUME 2(U)
DEFENSE LOGISTICS AGENCY ALEXANDRIA VA OPERATIONS
RESEARCH AN T J SHEEHAN ET AL. OCT 85 F/G 15/5

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

12-MO AVG LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NWS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
89400064189611	DESSERTCHER#2 1/2 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	X	.
89400064189621	DESSERTLEMN#2 1/2 CAN	X	X	.	.	.	.	.	.	.	X	.	.	.	.	X
89400064189631	DESSERTLIME#2 1/2 CAN	X	.	X	.	.	.	.	.	X	.	.	.	.	.	.
89400064189641	DESSERTORNG#2 1/2 CAN	.	X	.	.	.	.	.	.	X	.	.	.	.	.	X
89400064189651	DESSERTRASP#2 1/2 CAN	.	X	.	.	.	.	.	.	.	.	.	.	.	.	X
89400064189661	DESSERTSTRW#2 1/2 CAN	.	X	.	.	.	.	.	.	.	.	.	.	.	.	X
89400068266091	POPCORN 10 OZ CAN	.	X	.	.	.	X	.	.	.	.	.	.	.	.	.
89400078229701	PIEFILLAPL# 2 CAN	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
89400088937361	TOPPING 1 LB	.	X	.	.	.	X	.	.	.	X	.	.	.	X	.
894000A0050051	BEEFARONI 15 OZ CHEF	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A0050201	RAVIOLI BEEF 2 1/2 L	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A0501021	MX FROSTING FLUFFY W	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A0502341	SNACKS BUGLES 7 OZ 6	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A0581261	GELATIN STRAWBERRY 6	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A0820261	MEAT RAVIOLI IN SAUC	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A0840751	NOODLES N-BEEF 7.5Z	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A0840861	BEANS-N HAM 7.5Z SHO	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A0842041	LASAGNA 7.5 OZ #1465	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A0842051	SPAGHETTI-N-MEAT BAL	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A0971161	GRAVY BEEF 10-1/4 OZ	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1090101	BFD STRND VEG & CHIC	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1090241	BFD STRND CHN NOODLE	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1090481	BFD STRND GREEN BEAN	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1090711	BFD STRND CREAMED CO	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1090751	BFD STRND APPLESAUCE	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1090791	BFD STRND PEACH COBB	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1090821	BFD STRND JUICE ORAN	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1090831	BFD STRND JUICE APPL	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1090841	BFD STRND PEARS 4.5-	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1090851	BFD STRND JUICE ORAN	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1090871	BFD STRND BANANAS W/	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1090881	BFD STRND JUICE APPL	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1090911	BFD STRND JUICE ORAN	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1090941	BFD STRND JUICE FRUIT	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1090951	BFD STRND JUICE APPL	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1090971	BFD STRND JUICE APPL	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1090981	BFD STRND JUICE APPL	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1091261	BFD STRND CRL RICE W	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1091471	BFD JUN VEGETABLES &	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1091561	BFD JUN VEG & TURKEY	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1091651	BFD JUN SPAG TOM SAU	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1091741	BFD JUN VEG & HAM 7.	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1091831	BFD JUN CARROTS 7.5-	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1092011	BFD JUN PEACHES 7.5-	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1092101	BFD JUN APLESC & AP	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1092281	BFD JUN FRUIT DES 7.	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1350311	SALAD DRESSING LITE	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1350651	ICED TEA LOW-CAL W/L	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A1541021	SWTNER LIQUID 6 OZ N	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A3030301	BFD FORMULA LIQ CONC	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A3031001	BFD FORML LIQ CONC. 1	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A3180601	BFD FORM CONC/LIQ W/	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
894000A3180901	BFD FORM R-T-FEED LI	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.

12 MO AVG	LEADTIME	STOCK NUMBER	ITEM NOMENCLATURE	NDS	NNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
				WAREHOUSE														
		894000A3446671	LIQUID DIET VERY VAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		894000A3446771	LIQUID DIET VERY DUT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		894000A4450151	POPCORN YELLOW 28 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89450008093961	SHORTINGGA5 GALLON	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
		89450061600811	SALADOLIG1 GALLON	X	X	.	.	.	.	X	.	.	.	.	.	.	.	.
		894500A0490631	OIL FOOD 128 FL OZ P	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89500012563331	POWDER BKG1 LB	X	.	X	.	X	.	.	.	.	.	.	.	.	.	.
		89500012780671	PEPRGRD 1/1 LB CAN	.	.	X	.	.	X	.	.	.	.	.	.	.	.	.
		89500012797461	PIKLSWT 10/10 CAN	.	.	X	.	.	.	X	.	.	.	.	.	.	.	.
		89500012797901	CATSUP140Z14 OZ BTL	.	.	X	.	.	.	X	.	.	.	.	.	.	.	.
		89500017095581	POULTRYSEA3-4 OZ CN	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
		89500017095711	CLOVESGRND1-2 OZ CO	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89500020509361	SALDRSG2.5#2 1/2 CAN	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
		89500029296111	SODA BKG 1 LB	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
		89500054376981	MUSTRD21/2#2 1/2 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89500057745941	SALDRSG QT1 QUART JR	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
		89500061654841	GINGRJR3-43-4 OZ CO	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89500075329621	CHILI PWDR1 LB GL BT	X	.	X	.	.	.	.	.	.	.	.	.	.	.	.
		89500075363691	ANTIOXIONTJAR	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89500088968891	RELISH PT 1 PT JR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89500093532541	SOY SAUCE 16FLUID OZ	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
		895000A0110011	MAYONNAISE QUART HEL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A0151161	SPICE SEASON-ALL 3-1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A0151741	GARLIC POWDER 1-1/4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A0156211	ONION MINCED 4-1/4 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A0404381	OLIVES MANZ. STUFF TH	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A0584311	BARBECUE SAUCE 18 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A0981031	PICKLES SWEET 22 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A0981831	PICKLES SWEET CUCUMB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A0982171	PICKLES KOSHER DILL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A0983421	SAUCE BBQ REGULAR W/	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A0984401	PICKLES DILLS PROCES	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A0984441	GENUINE DILLS 46 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A1470031	VINEGAR WINE RED 12	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A1800091	HOT SAUCE 2 OZ TABAS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A2190161	SAUCE TACO 4 OZ #730	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A2943601	SWEET RELISH 12-12 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A3430081	SALT IODIZED 26 OZ.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A4380101	SAUCE MARINADE TERTY	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A4380251	SOY SAUCE 12/10 OZ.B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A4814031	SALAD DRESSING CR CU	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A4814701	SAUCE BBQ 18 OZ BT #	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A4814741	MAYONNAISE REAL 32 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A4819871	SALAD DRESSING MIRAC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A5290081	PICKLES POLISH SPEAR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A5290581	PICKLES HAMBURGER CH	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000V0570061	OLIVES GREEN STF 70Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89550022358061	COCOA 1/2CN1 LB	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89550028653681	COFFEE RST2 LB CAN	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
		89550028653691	COFFEE RST3 LB CAN	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
		89550028653721	COFFEE RST20 LB CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89550078232141	TEAING-3/46-3/4 OZ	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
		895500A0584171	COFFEE DRIP GRIND 1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

12-MO AVG	LEADTIME	STOCK NUMBER	ITEM NOMENCLATURE	NDS	NWS	NDS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
		895500A1350831	TEA BAGS 100 CT 8 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		895500A1351411	TEA BAGS BLACK OP&P	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		896000A0580821	BEVERAGE ORANGE 27 O	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		896000A0581501	BEV STRWBERRY 30 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		896000A0586721	MX SOFT DRNK ASST 4	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		896000A1570101	BEVERAGE CHOCOLATE F	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		897500A0530181	CIGARETTES SALEM MEN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		897500A0531191	CIGARETTES SALEM LIGH	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
		897500A1750221	CIGARETTES 100S MENT	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
		897500A1750241	CIGARETTES FILTER LO	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
		897500A1750301	CIGARETTES SF PK KING	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
		897500A1750411	CIGARETTES FILTER KI	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
		897500A1750431	CIGARETTES FILTER 10	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.

COMBINED LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	NDS	MNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SRS	SD8	SDQ	SDU	SMS	SRS
651000A5480011	TAMPONS 40 PER PG. S	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
681000A3320481	SPRAY STARCH AEROSOL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
681000A3320541	STARCH SPRAY-ON FABR	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
684000A1380731	DISINFECTANT BATHRM	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
685000A1380241	BLEACH LIQUID 1/2 GA	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
685000A1380321	BLEACH LIQUID GALLON	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
685000A1380601	BLEACH ALL FABRIC 40	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
685000A3040151	BLEACH SUPER HALF GA	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
721000B5109831	CLOTH POLISHING PKG	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
733000B5105541	SCRUBBER NYLON RECTA	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
792000B5105761	SPONGE CELLULOSE 7-3	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
792000B5109201	HANDLE MOP SPRING LE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
792000B5109281	MOP COTTON STICK CLE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
792000B5109341	MOP SPONGE REFILL BL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0052391	OVENCLEANER SPRY LEM	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0200381	AMONTA PLAS LEMON SU	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0300901	DETERGENT CONCENTRAT	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0420541	AMONTA HOUSEHOLD CL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0490921	DETERGENT REGULAR 20	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0491761	CLEANER GIANT 28 FL.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0491881	CLEANER LIQUID GIANT	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0710851	FURNITURE POLISH 14	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0711111	FURNITURE POLISH 14	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0711151	RUG CLEANER 24 OZ AE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0712051	FLOOR FINISH 27 OZ F	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A1240961	DETER GIANT 3# 1 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A1241581	DETERGENT LIQ KING 3	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A3042721	DISHWASHING LIQ PINK	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A3130241	DETERGENT DISHWASHER	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A3130661	LIM & RUST REMVR 16	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A3590111	CLEANER 28 OZ PINE S	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A3630181	BATHRM CLEANER/SANTZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A4682171	CLEANER OVEN SPRAY 8	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A4683151	FURNITURE POLISH W/L	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
810500A0600191	BAGS GARBAGE PLAST 3	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
813500A2100241	ALUM FOIL HVY DTY 24	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
813500A3630151	WRAP PLASTIC JUMBO S	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
813500A3630291	BAGS QUART SIZE 25'S	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
851000A1580181	SHAMPOO BABY 11 OZ 3	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
851000A2510241	DEODORANT XTR DR ANT	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
851000A4480721	HAIR SPRAY EXTRA HOL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
851000A4650041	LOTION AFTER SHAVE R	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
852000A0200451	SOAP BATH GOLD 5 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
852000A0200511	SOAP BATH SIZE WHITE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
852000A0304331	TOOTHPASTE FAMILY 6.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
852000A0493021	TOOTHPASTE DENTIFRIC	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
852000A1240171	SOAP BATH GR 4.75 Z	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
854000A0920671	NAPKINS DINNER ASST:	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
854000A0921951	NAPKINS COCKTAIL ASS	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
854000A0922701	TOWELS JUMBO 100-2 P	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
854000A0922801	TISSUES BOUTIQUE ASS	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
854000A2072031	TISSUE TOILET S/PAC	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
854000A3201141	TISSUE BATHRM ASST C	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.

COMBINED		LEADTIME		WAREHOUSE														
STOCK NUMBER	ITEM NOMENCLATURE	NDS	NNS	NOS	NP'S	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS		
854000A3202331	NAPKINS FAMILY WHITE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A0510091	DUG FODD REGULAR 15	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A0580241	DQG FODD DRY 5 LB GA	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A0870061	DQG FODD 15 OZ CN KE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A0870921	FODD DQG SPECIAL CUT	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A1120101	DQG FODD BEEF CHUNKS	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A1120201	DQG FODD HORSEMEAT C	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A1120401	DQG FODD LIVER CHUNK	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A1120501	DQG FODD CHICKEN DIN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A1500351	DQG FODD FLAVOR SNAC	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A1900961	FODD PET STEW 14 OZ.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A2050201	CAT FODD TUNA N-SAUC	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A2820241	DQG CHOW REG 10 LB N	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A2822751	PET FODD LIVER 12 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A2822801	PET FODD BEEF 12 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89050012640201	LUNCH MEAT6 LB CAN	.	X	X	.	.	X	X	.	X	.	.	.	X	.	.		
89050012879141	CLAMS CND 49 OR 510Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050026700401	TUNA 6.5-76.5-7 OZ	.	.	.	.	.	.	.	.	X	.	.	.	.	X	X
89050058213431	SARDINES CAN	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.
89050064189411	TUNA12.50Z12.5-13 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050093531611	TUNA 4LB #603X408CN	X	X	.	.	.	.	.	.	X	.	.	.	.	X	.
890500A0200501	VIENNA SAUSAGE 5 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A0201341	BEEF SLICED DRIED 2	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A0840281	HAM CANNED BLACK LAB	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A0840611	SPAM 12 OZ TIN CN #1	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A0841051	HAM TENDER CHUNK 6-3	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A2820271	TUNA CHUNK LT WATER	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A3481051	VIENNA SAUSAGE 48/5	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A3481191	CORN BEEF STH AMER 2	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A3481611	SALMON RED 24/7.75 O	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A3703001	LUNCHEON MEAT PREM 1	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A3911001	POLISH STYLE SAUS 9	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A3990131	KIPPER SNACKS 3 1/4	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89100012634431	MILKEV14.514.5 OZ CN	.	.	.	.	.	.	.	.	X	.	.	X	.	.	X
89100061601601	CHEESE GRT3 OZ	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100078233161	SOURCRMSXPACKAGE	X	.	.	.	X	.	.	.	.	.	.	.	.	.	.
89100078237651	CHEESE GRT1 LB CO	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.
89100096515531	EGG MIX #3/3 CYL CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891000A3440151	MILK EVAPORATED TALL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891000A3700081	MILK EVAPORATED BABY	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89150008101201	BEANKDNY 22 LB BAG	.	X	.	.	.	.	.	.	.	.	.	X	.	.	.
89150008516501	JCEGRPT53 #3 CYL CAN	.	.	X	X	X	.	.	.	.	.	.	X	.	.	X
89150012718791	BLUBERY 10#10 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150012792851	PEAS 303 #303 CAN	.	.	.	.	.	.	X	.	X	.	.	X	.	.	.
89150012796771	POT WH 10 #10 CAN	X	.	X	.	.	.	.	.	.	.	.	.	.	.	.
89150013263481	APPLSE 303#303 CAN	.	.	X	.	.	.	.	.	X	.	.	.	.	.	.
89150014108331	JCEGRFT053#3 CYL CAN	.	.	.	.	X	.	.	.	.	.	.	X	.	.	.
89150014667131	BEANKDN303#303 CAN	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89150014915711	GARLTCDHY12 OZGL JR	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150017049381	BEANPINLB1 LB CO	X	.	X	.	.	.	.	.	.	.	X	.	.	.	X
89150018371351	JCEA51/4-65 1/4-6 OZ	X	.	.	.	.	.	.	.	.	X	.	.	.	.	.
89150018456011	BEANS/PORK#10 CAN	X	.	X	X	.	.	X	.	.	.	.	.	.	X	.
89150020509371	JCE051/4-65 1/4-6 OZ	.	.	.	.	.	.	.	.	X	.	X	.	.	X	X

COMBINED	LEADTIME	STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
				NDS	NNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
89150020509381		JCEPINEAPLS-1/2-6FLZ					X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

COMBINED	LEADTIME	STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE											SDU	SMS	SRS
				NDS	NMS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8			
89200004353521		TACOSHELLSPACKAGE		X											X		
89200006761461		MACARONI 10 LB BX				X		X									
89200012594411		SPAGHETTI 10 LB				X		X					X			X	X
89200012633881		NOODLES 5 LB				X		X					X			X	X
89200012797771		HOMINY 10 LB 1/2 CAN															
89200013277821		CEREAL 10 LB 100 IND				X		X									
89200014077481		FLR 10 LB 10 LB BG						X							X	X	X
89200014077491		FLR 10 LB 10 LB BG															
89200016061651		STARCH 10 LB				X							X			X	
8920001604481		CRLBFW/RS500R70INDV															
89200016568631		FLR 10 LB 10 LB BG						X									
89200016568641		FLR 10 LB 10 LB BG											X			X	X
89200016832961		COOKY 10 LB 10 CAN											X			X	X
89200017111521		CRLSHW 10 LB 10 IND SERV															
89200017504291		COOKY 10 LB 10 CAN															
89200019413911		CKMY 10 LB 10 20 OZ															
89200022206011		NODLE 10 LB 10 CAN															
89200025238381		CRACKS 10 LB 10 20 OZ				X		X									
89200025740181		CEREAL 10 LB 10 20 OZ															
8920002698281		CRLRICE 10 LB 10 20 OZ															
89200027289391		CRLCORNF 10 LB 10 20 OZ															
89200027381921		CRLCORNF 10 LB 10 20 OZ															
89200043549181		CORN 10 LB 10 20 OZ				X		X								X	X
89200046350191		CORN 10 LB 10 20 OZ															
89200053021851		RICE 10 LB 10 20 OZ				X		X								X	X
89200055968641		CRACKS 10 LB 10 20 OZ															
89200061600241		CORN 10 LB 10 20 OZ				X		X									
89200078221291		LASAGNA 10 LB 10 20 OZ															
89200078229811		CKMY 10 LB 10 20 OZ															
89200078263531		PANCK 10 LB 10 20 OZ															
89200082372211		CAKEMIX 10 LB 10 20 OZ				X		X					X			X	X
89200082372231		CAKEMIX 10 LB 10 20 OZ				X		X					X			X	X
89200082372271		CAKEMIX 10 LB 10 20 OZ				X		X					X			X	X
89200082372291		CAKEMIX 10 LB 10 20 OZ															
89200092615391		SWD 10 LB 10 20 OZ															
89200092649171		STARCH 10 LB 10 20 OZ															
89200092660161		BISCMIX 10 LB 10 20 OZ				X											
89200092660171		ROLL MIX 10 LB 10 20 OZ															
89200092660181		DONUT MIX 10 LB 10 20 OZ															
89200093532621		BROWN 10 LB 10 20 OZ				X		X					X			X	X
89200093532631		BROWN 10 LB 10 20 OZ															
892000A0115841		STARCH 10 LB 10 20 OZ															
892000A0490781		CAKE MIX 10 LB 10 20 OZ															
892000A0491081		MUFFIN MIX 10 LB 10 20 OZ															
892000A0492211		CAKE MIX 10 LB 10 20 OZ															
892000A0492371		CAKE MIX 10 LB 10 20 OZ															
892000A0492591		BROWNIE MIX 10 LB 10 20 OZ															
892000A0500031		MIX CAKE 10 LB 10 20 OZ															
892000A0500151		FLOUR ENR 10 LB 10 20 OZ															
892000A0500701		FLOUR ENR 10 LB 10 20 OZ															
892000A0501911		MIX CAKE 10 LB 10 20 OZ															
892000A0503011		MIX CAKE/APPLCS 10 LB 10 20 OZ															

COMBINED		LEADTIME		WAREHOUSE														
STOCK NUMBER	ITEM NOMENCLATURE	NDS	NNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS		
892000A0503591	MIX BROWNIE FUDGE SU	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A0503851	CAKE GLND POUND 16 Z	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A0506001	CEREALS WHEATIES 12	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A0506901	BISQUICK NEW 40 Z BI	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A05080971	CEREAL ALPHA BITS 10	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A05082081	RICE MINUTE 28 OZ PG	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A05084991	CEREAL FRUITY 11 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A08070931	GRITS HOMINY ENR QUI	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A08076541	CEREAL CAP N CRUNCH	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A08080571	COOKIE MIX CHOCOLATE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1170081	MIX MUFFIN CORN 8.5	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1210201	CEREAL CORN FLAKES 1	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1213121	POP-TARTS STRAWBERRY	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1213351	POP-TARTS FROSTED GR	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1213551	POP-TARTS FROSTED ST	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1213601	POP-TARTS FROSTED CH	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1336141	CRACKERS CHEEZ-IT 16	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1500031	CRACKERS BACON FLAVO	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1500091	DRONEDARYDATESPTD80Z	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1500961	COOKIE ASSORTMENT FA	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1501861	CRACKERS SALTINES PR	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1502251	CRACKERS RITZ 12 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1502761	CRACKERS TRISCUIT WA	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1506931	CEREAL SHREDDED WHEA	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1507221	CEREAL FARINA QUICK	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1541851	MX NUT BREAD QUICK 1	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1542651	MX BROWNIE WALNUT 23	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1542801	MX HOT ROLL 13.75 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1543151	FLOUR PILLSBURY BEST	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1543601	MX CORN BREAD 19 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A2160061	CEREAL WHEAT GERM 12	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A2230881	COOKIES FIG BARS 15	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A2233811	CRACKERS GRAHAM DELU	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A2233861	CRACKERS HONEY GRAHA	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A2234021	COOKIES ICED RAISIN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A2234071	COOKIES RICH' CHIPS	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A2234241	CRACKERS CLUB SPRAYE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A2234291	CRACKERS TOWN HOUSE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A2234401	SALTINES ZESTA 16 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A2234781	COOKIES PECAN SANDIE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A2820201	CEREAL WHEAT CHEX 15	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A3950301	SPAGHETTI 1 LB LA RD	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A3950381	BREAD CRUMBS FLAVORE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A3950401	MACRONI VERMICELLI 1	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A3950651	MACRONI SHELLS 1 LB	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A3950951	MACRONI ELBOW 16 Z	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A3953301	NOODLES EGG WIDE FLU	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A3953351	NOODLES EGG MED. FLUF	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A4921551	CUP O'NOODLES SHRIMP	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000J9001241	BREAD CRUMBS 24/10 O	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000J9007351	TOAST PLAIN MELBA 12	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89250012594541	MOLASSES #2 1/2 CAN	X	X	X	X	X	X	.	.	.	.	.	.	.	.	.
89250012805651	NUTSMXSIEL#10 CAN	X	X	X	X	X	X	.	.	.	.	.	.	.	.	.

COMBINED	LEADTIME	STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE											SRS		
				NDS	NNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SDQ		SDU	SMS
89250022206251			COCONUT #3/3 CYL CAN	.	.	.	.	X	.	.	X	.	.	.	.	.	.
89250022355041			SUGAR 35LB35 LBS	.	.	.	.	.	X	.	.	.	.	.	.	.	.
89250025259501			WALNUTS 1 LB	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89250025638141			PECANS 1 LB CAN	.	.	.	.	X	.	.	.	.	.	.	.	.	.
89250061601851			CHOCCLTS#10#10 CAN	.	X	.	.	.	.	.	.	.	.	.	.	.	.
89250068267051			SYRUP #10 #10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89250068267081			SYRUP 1-2#2 1/2 CAN	.	.	.	.	X	.	.	X	.	.	.	.	.	X
89250078233181			CHOCCK120212 OZ	.	.	.	.	X	.	.	.	.	.	.	.	.	X
89250093532601			ICING MX C#10 CAN	.	.	.	.	.	.	.	X	.	.	.	.	.	.
89250093532611			ICING MX V#10 CAN	.	.	.	.	X	.	.	.	.	.	.	.	.	X
89250096515521			MARSHMALLO1 LB CO	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0482241			SALTED MX NUT(NO PNT	.	.	.	.	.	.	.	.	.	.	.	.	.	X
892500A0482581			SALTED SUNFLOWER NUT	.	.	.	.	.	.	.	.	.	.	.	.	.	X
892500A0870081			SYRUP 24 OZ AUNT JEM	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A1410251			SYRUP PANCAKE 24 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	X
892500A3610911			NUTS WALNUT ENGLISH	.	.	.	.	.	.	.	.	.	.	.	.	.	X
892500A4810151			CANDY CARAMELS 14 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	X
89300054376021			PNUITS2LB#2 1/2 CAN	.	.	.	.	X	.	.	.	.	.	.	.	.	X
893000A0310101			JELLY GRAPE 20 OZ 50	.	.	.	.	.	.	.	.	.	.	.	.	.	.
893000A0492381			PEANUT BUTTER CRUNCH	.	.	.	.	.	.	.	.	.	.	.	.	.	X
893000A3251301			PRESERVES STRWBRY JA	.	.	.	.	.	.	.	.	.	.	.	.	.	X
893000A4813051			PRESERVES GRAPE 18 O	.	.	.	.	.	.	.	.	.	.	.	.	.	X
893000A4813151			PRESERVES PEACH 18 O	.	.	.	.	.	.	.	.	.	.	.	.	.	X
893000A4813301			PRESERVES RED RASPB	.	.	.	.	.	.	.	.	.	.	.	.	.	X
893000A4814691			JELLY APPLE 18 OZ #5	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89350023462171			SOUPBASE#2 1/2 CAN	X	.	.	.	X	X	.	.	.	.	.	.	.	X
89350041943221			SUPCBARW/B#3 CYL CAN	.	.	.	.	X	.	.	.	.	.	.	.	.	.
89350048045501			SUPCBN/BAC#3 CYL CAN	.	.	.	.	X	.	.	.	.	.	.	.	.	.
89350048045521			SUPCNBNDL#3 CYL CAN	X	.	.	.	X	.	.	.	.	.	.	.	.	.
89350048045531			SUPCNCHNDL#3 CYL CAN	.	.	.	.	X	.	.	.	.	.	.	.	.	.
89350048045541			SUPCNCHM/R#3 CYL CAN	.	.	.	.	.	X	.	.	.	.	.	.	.	.
89350048045551			SUPCNCRMCH#3 CYL CAN	.	.	.	.	X	.	.	.	.	.	.	.	.	.
89350048045561			SUPCNCR/MU#3 CYL CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89350048045591			SUPCNSPPEA#3 CYL CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89350048045601			SUPCNMINST#3 CYL CAN	X	.	.	.	.	X	.	.	.	.	.	.	.	.
89350048045611			SUPCN TOM #3 CYL CAN	.	.	.	.	X	.	.	.	.	.	.	.	.	.
89350048045631			SUPCN VEG #3 CYL CAN	X	.	.	.	X	.	.	.	.	.	.	.	.	.
89350048045641			SUPCVEGW/B#3 CYL CAN	X	.	.	.	.	X	.	.	.	.	.	.	.	.
89350048045651			CLAMCHOWNY#3 CYL CAN	X	.	.	.	X	X	.	.	.	.	.	.	.	.
89350054377891			SUPBASECHK2 1/2 CAN	.	.	.	.	X	.	.	.	.	.	.	.	.	X
893500A0970091			SOUP COND CREAM OF C	.	.	.	.	.	.	.	.	.	.	.	.	.	.
893500A0970251			SOUP COND VEGETABLE	.	.	.	.	.	.	.	.	.	.	.	.	.	X
893500A0970451			SOUP COND CHKN & STA	.	.	.	.	.	.	.	.	.	.	.	.	.	X
893500A0971081			SOUP COND CONSOMME N	.	.	.	.	.	.	.	.	.	.	.	.	.	X
893500A0971181			SOUP COND CRM OF SHR	.	.	.	.	.	.	.	.	.	.	.	.	.	X
893500A0974751			SOUP COND CHKN VEG N	.	.	.	.	.	.	.	.	.	.	.	.	.	X
893500A1283921			BOUILLON INSTANT CHI	.	.	.	.	.	.	.	.	.	.	.	.	.	X
894000A1351191			SOUP-CUP-A MIX CREAM	.	.	.	.	.	.	.	.	.	.	.	.	.	X
894000B060411			SCENXTOMBS#2 1/2 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	X
89400012633941			CHILIW/OBNG.75 LBS	X	.	.	.	X	.	.	.	.	.	.	.	.	.
89400013186911			DESSERTBTRS#10 CN	X	.	.	.	.	.	.	.	.	.	.	.	.	X
89400045130231			PIFILLPREL#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400047890731			PIEFILLBLU#10 CAN	.	.	.	.	X	X	.	.	.	.	.	.	.	X

COMBINED	LEADTIME	STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE																			
				NDS	MNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS					
89400048045351		TOPICRMPIN#10 CAN		X																			
89400048045361		TOPICRMB/S#10 CAN		X																			
89400048045381		TOPICRMTW#10 CAN		X																			
89400048045481		RAVIOLI #10 CAN		X	X	X	X						X		X			X					
89400048045491		TAMALES BF#10 CAN				X																	
89400061601271		MERINGUPWD#2-1/2 CAN		X																			
89400061602261		PIEFILLAPL#10 CAN		X		X	X						X		X			X					
89400061602271		PIEFILLCHR#10 CAN		X		X	X						X		X			X					
89400061602281		PIEFILLPCH#10 CAN		X		X	X						X		X			X					
89400064189611		DESSERTCHER#2 1/2 CAN			X	X							X					X					
89400064189621		DESSERTLEMN#2 1/2 CAN				X												X					
89400064189631		DESSERTLEMN#2 1/2 CAN			X													X					
89400064189641		DESSERTORNG#2 1/2 CAN				X							X					X					
89400064189651		DESSERTORNG#2 1/2 CAN				X							X					X					
89400064189661		DESSERTORNG#2 1/2 CAN		X									X					X					
89400068266091		POPCORN 10 OZ CAN		X				X										X					
89400088937361		TOPPING 1 LB				X	X						X					X					
894000A0051191		RAVIOLI MINI 15 OZ C													X								
894000A0052091		COATING VEGETABLE SP													X								
894000A0054941		RAVIOLI BEEF 15 OZ C													X								
894000A0150201		GRAVY MIX BROWN 0.87													X								
894000A0500991		MX FROSTING SR CR CH													X								
894000A0581211		GELATIN RED FLAVOR A													X								
894000A0581401		GELATIN CHERRY 6 OZ													X								
894000A0582241		PUDNG LEMON 3 3/4 OZ													X								
894000A0586201		PUDNG CHOCOLATE &													X								
894000A0840061		CHILI W/BEANS 7.52 S													X								
894000A0840101		CHILI CON CARNE W/BE													X								
894000A0840221		CHILI CON CARNE W/BE													X								
894000A0840271		HOT CHILI W/BEANS 7													X								
894000A0840301		CHILI CON CARNE NO/B													X								
894000A0840551		BEEF STEW 1.5 LB #21													X								
894000A0970301		SPAGHETTIO'S 14-3/4													X								
894000A0970411		SPAG W/TOM SCE W/CHS													X								
894000A0970741		SPAGHETTI W/MEAT BAL													X								
894000A0974831		CHICKEN N DUMPLINGS													X								
894000A1090401		BFD STRND TURKEY RIC													X								
894000A1090451		BFD STRND CARROTS 4													X								
894000A1090541		BFD STRND MX VEG 4.5													X								
894000A1090571		BFD STRND PEAS 4.5-4													X								
894000A1090601		BFD STRND SQUASH 4.5													X								
894000A1090631		BFD STRND SWEET POTA													X								
894000A1090661		BFD STRND GARDEN VEG													X								
894000A1090721		BFD STRND PEACHES 4													X								
894000A1090781		BFD STRND PEARS & PI													X								
894000A1090861		BFD STRND JUICE ORAN													X								
894000A1090991		BFD STRND PLUMS W/TA													X								
894000A1091001		BFD STRND JUICE APPL													X								
894000A1091021		BFD STRND FR DES 4.5													X								
894000A1091051		BFD STRND DUTCH APPL													X								
894000A1091321		BFD STRND OATML W/AP													X								
894000A1091411		BFD JUN VEG & CHICKE													X								
894000A1091501		BFD JUN VEG & BACON													X								

COMBINED LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SDB	SDQ	SDU	SMS	SRS
894000A1091591	BFD JUN CHN NOODLE D	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1091621	BFD JUN BEEF & EGG N	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1091891	BFD JUN MIXED VEGETA	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1092041	BFD JUN APPLESAUCE 7	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1092071	BFD JUN PEARS & PINE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1092131	BFD JUNIOR PEARS 7.5	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1092221	BFD JUN APRICOTS W/T	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1092311	BFD JUN DUTCH APPLE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1092341	BFD JUN BAN W/P-APPLE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1093421	BFD CEREAL OATMEAL 8	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1093451	BFD CEREAL RICE 8 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1094261	BFD CEREAL MIXED W/B	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1350121	SALAD DRESSING LITE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1350241	SALAD DRESSING LITE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1500241	PRETZELS MISTER SALT	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1680101	CHERRY PIE FILLING I	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1990771	SAUCE GRAVYSEASNG MX	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1990781	GRAVY SCE&SEASNG MX	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A2701481	POPCORN YELLOW 2 LB	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A2940601	FRUIT CUP DICE PEACH	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A2940651	FRUIT CUP MX FRUIT 1	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A2940701	PUDDING CUP VANILLA	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A2940801	PUDDING CUP CHOCOLAT	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A3180951	BFD R-T-F LIO 32 Z W	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A3446681	LIQUID DIET VERY CHO	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A3446691	LIQUID DIET VERY STR	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A3480041	BEEF/BARBECUE SAUCE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A4160301	DNR RICE-A-RONI BEEF	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A4160391	DNR RICE-A-RONI SPAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A4160471	DNR WILD RICE-A-RONI	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A4810511	DINNER MACARONI 7.25	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A4810571	DINNER MACARONI DELU	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A4812371	SALAD DRESSING LOW C	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000L0191301	BACON RINDS FR FRIED	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89450008093961	SHORTENING 55 GALLON	X	.	X	X	.	.	.	.	X	X	.	.	.	.	.
89450061600811	SALAD OIL 1G1 GALLON	.	.	X	.	.	.	.	.	X	.	.	.	.	.	.
89450061600821	SALAD OIL 1Q1 QUART CN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89450089017761	SHORTENING 5 QT CAN	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
894500A0110181	OIL CORN 1-1/2 QUART	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894500A0490071	SHORTENING 1 LB. CRI	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894500A049221	OIL FOOD GIANT 48 FL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894500A0780391	SHORTENING PRE-CREAM	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894500A3280251	OIL 15/LGE 24 Z #612	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894500A3281691	SHORTENING 48 OZ SNO	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89500012563331	POWDER BKG1 LB	.	X	.	X	.	.	.	.	.	.	.	.	.	.	.
89500012780471	NUTMEG 1-2 OZ CO	X	.	.	X	.	.	.	.	.	.	.	X	.	.	.
89500012780491	CINNAMONR1 LB CN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89500012780671	PEPRGRD 1#1 LB CAN	X	.	.	X	.	.	.	.	X	X	.	.	.	.	.
89500012788821	FLAVLEH8028 FLUID OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89500012789191	SALDRSG GA1 GALLON	X	.	.	.	.	.	.	.	X	.	.	.	.	.	.
89500012789411	FLAVVAN8028 FLUID OZ	X	.	.	X	.	.	.	.	.	.	.	.	.	.	.
89500012797461	PIKLSWT 10#10 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89500012797901	CATSUP140214 OZ BTL	X	.	.	X	.	.	.	.	.	.	.	.	.	.	.

COMBINED LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NNS	NDS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SDB	SDQ	SDU	SMS	SRS
89500012804351	CHILLI PWDR4 OZ GL BT	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.
89500017095651	PEPPRCAYGR1-2 OZ CO	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89500017095731	CINNAMON 3-4 OZ CN	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.
89500020509361	SALDRSG2.5#2 1/2 CAN	X	.	X	X	X	X	X	X	X	X	X	X	X	X	X
89500029296111	SODA BKG 1 LB	X	.	.	X	.	.	.	.	.	.	.	.	.	.	.
89500048905461	PEPRPIKL10#10 CAN	X	X	X	.	.	.	X	X	.	.	.	.	.	.	.
89500054376981	MUSTRD21/2#2 1/2 CAN	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.
89500057745941	SALDRSG QT1 QUART JR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89500058214021	OREGANO 1-2 OZ CO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89500061645131	FDCOLRASSTASSORTMENT	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89500061654831	THYME 1-2 OZ CO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89500061654841	GINGRGR3-43-4 OZ CO	.	.	.	X	X	.	.	.	.	.	.	.	.	.	.
89500061654891	CURRY PWDR1-2 OZ CO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89500078267021	FLVRIMVANL32FLUID OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89500088968901	PIKLDILCQT1 QT JR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89500093532541	SOY SAUCE 16FLUID OZ	X	.	.	.	.	.	X	.	.	.	.	.	.	.	.
89500093564091	CONDPKTRNPACKET	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0050271	PIZZA SAUCE 10 1/2 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0151651	SALT GARLIC 3-1/2 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0156251	FLAKES PARSLEY DEHYD	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0157661	SPICE PEPPR BLK 4 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0403641	OLIVES MANZANILLAS S	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0421201	OLIVES RIPE X-LG PIT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0480991	CHILI POWDER 3 OZ.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0981231	RELISH INDIA 9-3/4/1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0981361	SAUCE STEAK NO. 57 1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0981531	VINEGAR TARRAGON 12	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0981871	PICKLE POLISH STYLE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0984091	PICKLES HAMBURGER DI	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0984301	CHILI SAUCE 12 OZ HE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A0984371	VINEGAR WHITE QUART	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A1350091	SALAD DRESSING ITALI	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A1350181	SALAD DRESSING ITALI	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A1350361	SALAD DRESSING RUSSI	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A1350541	SALAD DRESSING DELUX	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A1351481	SALAD DRESSING DELUX	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A140141	SAUCE WORCESTERSHIRE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A1990431	MUSTARD CREAM SALAD	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A1991131	SPAGHETTI SAUCE MIX	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A1991161	SAUCE CHILLO 1 3/4 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A1991201	SCE MX SOUR CREAM 1.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A1992321	MIX GRAVY SLOPPY JOE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A2190041	ENCHILADA SAUCE MILD	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A2310141	SALT IODIZED 26 OZ D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A3280161	KETCHUP TOMATO 32 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A3281701	SAUCE TOMATO #300 15	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A3900701	OLIVES JUMBO PITTED	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A4813321	MUSTARD PLASTIC BT 8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A4814961	SALAD DRESSING FRENC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A4819801	SALAD DRESSING 1000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A5290021	PICKLES KOSHER BABY	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A5290061	PICKLES KOSHER SPEAR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A5290151	PICKLES KOSHER BABY	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

COMBINED		LEADTIME		WAREHOUSE															
STOCK NUMBER		ITEM NOMENCLATURE		NDS	NNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS	
895000A5290261		PICKLES SWEET BUTTER		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A5290331		SAUERKRAUT 32 OZ. VL		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A5290931		COCKTAIL ONIONS 8 O		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89550022358061		COCOA 1/2CN1 LB		X	X	X	.	.	.	X	.	.	X	.	.	.	.	.
89550028653681		COFFEE RST2 LB CAN		X	X	X	.	.	.	X	.	.	.	.	.	.	X	.
89550028653691		COFFEE RST3 LB CAN		X	X	X	.	.	.	X	.	.	.	.	.	.	X	X
89550028653721		COFFEE RST20 LB CAN		X	X	X	X	.	X	X	X	.	X	.	.	.	.	.
89550078232141		TEAING-3/46-3/4 OZ		X	.	X	.	.	.	.	.	.	.	.	.	.	.	.
895500A0140061		COFFEE DRIP 1 LB GRD		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895500A0140201		COFFEE REGULAR 3 LB		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895500A0140221		COFFEE ELEC PERC 3 L		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895500A0151311		TEA BAGS OP&P 100/CA		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895500A050361		COCOA HERSHEY S INST		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895500A0580181		COFFEE REGULAR GRIND		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895500A0581221		COFFEE FREEZE DRIED		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895500A0584181		COFFEE REGULAR GRIND		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895500A0584371		MAXWELL HOUSE INSTAN		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895500A080721		COFFEE FRZ DRIED DEC		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
896000A45882481		BEVBASRTB6 GL YIELD		X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
896000A0581491		BEV ORANGE 12/30 OZ		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
896000A0581511		BEV RASPBERRY 30 OZ		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
896000A0581531		BEV MIX ORANGE 288 E		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
896000A080451		DRINK COLD PDWR STRA		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
896000A3700381		BREAKFAST INST VARIE		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
896000A3703261		BREAKFAST INST CHOC		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
897500A0530011		CIGARETTES MORE FILT		.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
897500A0530121		CIGARETTES WINSTON F		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
897500A0530131		CIGARETTES 20S - 100		.	.	.	.	.	.	.	.	.	.	.	X	.	X	.
897500A0530181		CIGARETTES SALEM MEN		.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
897500A0530201		CIGARETTES 100 S TAX		.	.	.	.	.	.	.	.	.	.	.	X	.	X	.
897500A0530361		CIGARETTES KING-SIZE		.	.	.	.	.	.	.	.	.	.	.	X	.	X	.
897500A0531141		CIGARETTES CAMEL FIL		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
897500A1750191		CIGARETTES 100S FILT		.	.	.	.	.	.	.	.	.	.	.	X	.	X	.
897500A1750221		CIGARETTES 100S MENT		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
897500A1750241		CIGARETTES FILTER LD		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
897500A1750931		CIGARETTES FILTER 10		.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
897500A1751741		CIGARETTES KING SZ S		.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
897500A1751751		CIGARETTES KING SZ S		.	.	.	.	.	.	.	.	.	.	.	.	.	.	X

LAST LT LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NWS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SDR	SDQ	SDU	SMS	SRS
650500A2921201	VITAMINS MULTIPLE 10	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
733000B5105631	SCRUBBER PLASTIC PKG	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
792000B5105751	SPUNGE CELLULOSE 5-1	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A1700351	RUG CLEANER LIQUID Q	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A4683041	WINDOW CLEANER AERO	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89050012640201	LUNCH MEAT6 LB CAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A2390961	ANCHOVIES FLAT IN O.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A2820351	TUNA FISH LIGHT CHUM	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890501V0309221	SARDNS BRSLG 3 3/4OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890501V0309241	SRDNS SOY/OI 3 3/4OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89100012634431	MILKEV14.514.5 OZ CN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89100061601601	CHEESE GRT3 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89100078237651	CHEESE GRT1 LB CO	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891000A1282441	CREMORA NON-DAIRY CR	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89150008516501	JCEGRPTS3 #3 CYL CAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89150012792851	PEAS 303 #303 CAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89150012796771	POT WH 10 #10 CAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89150013263481	APPLSE 303#303 CAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89150014108331	JCEGRFTOS3#3 CYL CAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89150014915711	GARLICDEHY12 OZGL JR	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89150017049381	BEANPIN1LB1 LB CO	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89150020509371	JCE051/4-65 1/4-6 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89150020509381	JCEPINEAPL5-1/2-6FLZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89150025050231	JUICETOM3#3 CYL CAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89150028118091	JUCE GRP 3#3 CYL CAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89150028654831	FRTCKT21/2#2 1/2 CAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89150061602241	PEARHF21/2#2 1/2 CAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89150061648171	BEANGR 303#303 CAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89150078263651	BEANSTOMSC#3 CYL CAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89150092667701	CORWH2/3032VAC/303CN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89150092667931	BEANKDNY10#10 CAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A0421321	GREEN BEANS CUT #303	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A0429681	CARROTS WHOLE SMALL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A0850801	ASPARAGUS ALL GREEN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A1680161	JUICE APPLE 5 1/2 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A1992351	POTATO IDAHO SPUDS I	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200006761461	MACARONI 10 LB BX	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200013277821	CEREALASST700R100IND	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200016061651	STRCHEDCRN1 LB	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
8920001682961	COOKYMXCHD#10 CAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200025238381	CRACKRSCDA1 OR 2 LBS	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200046350191	CRNFKCRUMLB	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200053021851	RICE 10LBS10 LB BAG	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200092660161	BISCMIX#10#10 CAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200093532621	BRWYMXCHD#10 CAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1213251	POP-TARTS FROSTED DU	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1501231	CRACKERS GRAHAM 16 O	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1502921	CRACKERS WHEAT THINS	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A2182031	RICE BLUE ROSE 10 LB	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89250093532601	ICING MX C#10 CAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89250093532611	ICING MX V#10 CAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89250096515521	MARSHMALLO1 LB CO	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892500A1284801	MARSHMALLOWS WHITE E	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.

LAST LT	LEADTIME	STOCK NUMBER	ITEM NOMENCLATURE	NDS	NNS	NOS	NPS	NRS	NVS	WAREHOUSE					SBS	SDB	SDQ	SDU	SMS	SRS
										NXS	NZS	SAS								
		892500A2631721	GUM CHWNG CINNAMON 3	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		892500L0370041	JUNIOR BLOW POPS MED	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		89300054376021	PNUTBTS2LB#2 1/2 CAN	X	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
		89350032462171	SOUPBASEBF#2 1/2 CAN	.	.	.	.	.	.	X	.	X	.	.	.	.	.	.	.	.
		89350048045551	SUPCNCRMCH#3 CYL CAN	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89350048045591	SUPCNSPEA#3 CYL CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89350048045651	CLAMCHOWNY#3 CYL CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89400012633941	CHILIW/OBNG.75 LBS	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
		89400048045491	TAMALES BF#10 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89400061602271	PIEFILLCHR#10 CAN	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.
		89400064189641	DESSERTORNG#2 1/2 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89400064189661	DESSERTSTRW#2 1/2 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89400088937361	TOPPING 1 LB	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		894000A0840701	HASH CORNED BEEF 15	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		894000A1090151	BFD STRND VEG & BAGO	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		894000A1090801	BFD JUN PEACH COBBLE	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		894000A1350061	PLAIN GELATINE 4 ENV	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		894000A1990091	SAUCE GRAVY&SEASNG M	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		894000A1990281	SAUCE GRAVY&SEASNG M	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		894000A4160251	DNR RICE-A-RONI CHIC	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		894000A4160551	DNR RICE-A-RONI FRIE	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		89450061600811	SALAD01L1G1 GALLON	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
		89500012563331	POWDER BKG1 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89500012797901	CATSUP14OZ14 OZ BTL	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.
		89500029296111	SODA BKG 1 LB	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89500054376981	MUSTRD21/2#2 1/2 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89500058214021	DREGANO 1-2 OZ CO	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
		895000A0587281	DRSNG MX ITAL SALAD	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A0587331	DRSNG SALAD MX REF1	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		895000A0981651	VINEGAR CIDER QUART	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		895000A5630011	SAUCE PICANTE 8 OZ #	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		89550022358061	COCOA 1/CN1 LB	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
		89550028653681	COFFEE.RST2 LB CAN	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.
		89550028653691	COFFEE.RST3 LB CAN	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
		89550028653721	COFFEE.RST20 LB CAN	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	X

LAST YEAR	LEADTIME	STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE											SDQ	SDU	SMS	SRS
				NDS	NWS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8				
651000A0921421			NAPKINS FEM MAXI NEW	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
735000A3981351			PLATES WHT DEEP DISH	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
792000X85105771			SPONGE CELLULOSE 5-1	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
851000A4681571			HAIR SPRAY 8 OZ PL F	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89050012879141			CLAMS CND 49 OR 510Z	.	.	X	X	.	.	.	.	.	.	.	.	.	.	.
89050064189411			TUNA 12.50Z 12.5-13 OZ	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
890500A2820281			TUNA FISH LIGHT CHUN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89150008516501			JCEGRPTS3 #3 CYL CAN	.	.	.	.	.	.	X	.	.	.	.	X	.	.	.
89150013263481			APPLSE 303#303 CAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89150014108331			JCEGRFTDS3#3 CYL CAN	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
89150017049381			BEANPIN1LB1 LB CO	.	.	X	.	.	.	.	.	.	.	.	.	.	X	.
89150018371351			JCEA51/4-65 1/4-6 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89150018456011			REANS/PORK#10 CAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89150020509371			JCE051/4-65 1/4-6 OZ	.	.	X	.	.	.	.	.	.	.	.	X	.	.	.
89150022360901			JCE51/4-65 1/4-6 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89150024128001			JUCEORNG #3 CYL CAN	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
89150024656341			CRNBRY WHL#300 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
89150024948731			PEPRS SWT #303 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150025180681			CRNBRYJ300#300 CAN	.	.	.	X	.	.	X	.	.	.	.	X	.	.	.
89150025505231			JUICETOM#3#3 CYL CAN	.	.	.	.	.	.	X	.	.	.	.	.	.	X	.
89150028118091			JUCE GRP 3#3 CYL CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150058427951			PCHSHF21/2#2 1/2 CAN	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
89150061602241			PEARHF21/2#2 1/2 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
89150078263651			BEANSTOMSC#3 CYL CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
89150085165641			CRNBRYJ10#10 CAN	X	.	.	.	.	.	X	.	.	.	.	X	.	.	.
89150092667931			BEANKDNY10#10 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A0772491			BEANS KIDNEY DARK RE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A0800061			CRANBERRY SAUCE JELL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A0800121			CRANBERRY SAUCE WHOL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2800561			POTATDES AU GRATIN D	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A4211081			JUICE PINEAPPLE GPK	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200006761461			MACARONI 10 LB BX	.	.	.	.	.	.	X	.	.	.	.	X	.	.	.
89200012594411			SPAGHETI1010 LBS	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
89200012633881			NOODLES5LBS LBS	X	.	.	.	.	.	.	.	.	.	X	.	.	.	X
89200014077491			FLRWT50LB 50 LB BG	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200016061651			STRCHEDCRN1 LB	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
89200016832961			COOKYMXCH#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
89200043549181			CORNBDMIX#10 CAN	.	.	.	X	.	.	.	.	.	.	.	X	.	.	.
89200053021851			RICE 10LBS10 LB BAG	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
89200078221291			LASAGNANDLCTN	X	.	.	.	.	X	.	.	.	.	.	.	.	.	.
89200078263531			PANCKMWHIT#10 CAN	.	.	X	.	.	.	X	.	.	.	.	.	.	.	X
89200082372211			CAKEMIX DF5 LB	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200082372231			CAKEMIX GB5 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
89200082372291			CAKEMIX YL5 LB	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200092660161			BISCMIX#10#10 CAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200092660181			DONJIT MIX #10 CAN	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
89200093532621			BRWNMXCHOC#10 CAN	.	.	.	.	.	.	X	.	.	.	.	X	.	.	.
89200093532631			BRWNMXB/S#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
892000A0501961			MIX CAKE DEVILS FD 1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A0870821			GRITS HOMINY INSTANT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A0960801			SPAGHETTI THIN 3 LB	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A2236711			CONE SUGAR 4 OZ 12 C	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000L0991201			STUFFING HERB SEASON	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.

LAST YEAR	LEADTIME	STOCK NUMBER	ITEM NOMENCLATURE	NDS	NNS	NOS	NPS	NRS	NVS	WAREHOUSE					SBS	SD8	SDQ	SDU	SMS	SRS
										NXS	NZS	SAS								
89250012805651			NUTSMXSHL#10 CAN	.	.	.	.	.	.	.	.	.	.	.	X	.	X	.	X	X
89250068267051			SYRUP #10 #10 CAN	X	X	.	.	.	.	.	.	X	.	.	.	.	.	.	X	.
89250068267081			SYRUP 2 1-2#2 1/2 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0110521			SYRUP RED LABEL PINT	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892500A0581871			COCONUT FLAKES ANGEL	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89350023462171			SOUPBASEBF#2 1/2 CAN	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
89350048045501			SUPCBN/BAC#3 CYL CAN	X	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
89350048045541			SUPCNCHM/R#3 CYL CAN	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89350048045601			SUPCNCHM/R#3 CYL CAN	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89350054377891			SUPBASECHK2 1/2 CAN	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.
893500A0970821			SOUP COND CHKN BROTH	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893500A3830261			BOUILLON CUBES CHICK	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89400047890731			PIEFILLBLU#10 CAN	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	X	.
89400048045481			RAVIOLI #10 CAN	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
89400048045491			TAMALES BF#10 CAN	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
89400061602261			PIEFILLAPL#10 CAN	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	X	.
89400061602271			PIEFILLCHR#10 CAN	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
89400061602281			PIEFILLPCW#10 CAN	.	.	.	.	.	.	.	.	X	.	.	.	.	X	.	.	.
89400064189611			DESSERTCHER#2 1/2 CAN	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	X	.
89400064189631			DESSERTLINE#2 1/2 CAN	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.	X
89400064189641			DESSERTORNG#2 1/2 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400064189661			DESSERTSTRW#2 1/2 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
894000A0840461			BEEF STEW 7.5Z SHORT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0841981			CHILI MAC 7.5Z SHORT	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1090121			BFD STRND VEG & BEEF	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1092941			BFD JUN BEEF 3.5 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89450061600811			SALAD01L1G1 GALLON	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89500012797901			CATSUP140Z14 OZ BTL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
89500012805421			PIKLDILCOT1 QT JAR	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.
89500017095651			PEPPRCAYGR1-2 OZ CO	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89500020509361			SALDRSG2.5#2 1/2 CAN	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
89500029296111			SODA BKG 1 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	X
89500057745941			SALDRSG QT1 QUART JR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
89500058214021			OREGANO 1-2 OZ CO	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000A3890081			BAKING SODA 1 LB ARM	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89550022358061			COCOA 1#CN1 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89550028653681			COFFEE.RST2 LB CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89550028653721			COFFEE.RST20 LB CAN	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
895500A0881811			TEA INST SOLUBLE IN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
89600055949141			COCBEVPWDLB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

ARI LAG	LEADTIME	STOCK NUMBER	ITEM NOMENCLATURE	NDS	NWS	NDS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SDR	SDQ	SDU	SMS	SRS
		684000A0710161	DEODORANT FLORAL SAC	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		684000A0712711	DEODORANT SPACE SUNN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		735000A0540521	PAP PLATES 2 PLY H-C	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		792000A03040211	SCOURING PADS NYLON	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		793000A0491641	CLEANER GIANT 54 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		793000A0492001	CLEANER BATHROOM 6 O	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		793000A0710181	FLOOR WAX 27 OZ HD G	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		793000A0710301	FLOOR WAX 27 OZ #001	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		813500A3200311	WAX PAPER 100 FT #73	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		851000A0490451	SHAMPOO TUBE FAMILY	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		851000A4540081	LOTION AFTER SHAVE R	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		851000A4650321	DEODOR STICK 24/2 1/	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		852000A0190141	TOWELETTES 70'S POP-	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		852000A0200631	SOAP BATH SIZE ALMON	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		852000A0493101	TOOTHPASTE REGULAR 7	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		852000A0493191	TOOTHPASTE MINT 7 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		852000A3230201	LIQUID BUBBLE BATH F	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		854000A3203941	NAPKINS FAMILY ASST.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		871000A0581021	DOG FOOD DRY BURGERS	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		871000A1380011	CAT LITTER 4 LB.BAG	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		871000A2820721	CAT CHOW REG 4 LB NR	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		89050012879141	CLAMS CND 49 OR 510Z	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89050026700401	TUNA 6.5-76.5-7 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89050064189411	TUNA 12.50Z 12.5-13 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		890500A0200171	HAM CHOPPED 12 OZ. A	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		890500A0201321	POTTED MEAT 5-1/2 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		890500A0840121	SPAM DEVILED LUNCHEO	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		890500A0840561	SPAM 7 OZ #376013 HD	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		890500A0970071	CHICKEN CHUNK WHT &	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		890500A2820211	TUNA LIGHT CHUNK PK	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		89100078237651	CHEESE GRT1 LB CO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		891000A3440051	MILK EVAPORATED SMAL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		891000A3444271	CREAM SOUR IMITATION	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		891000A3700041	MILK EVAPORATED TALL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		89150012718791	BLUBERY 10#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89150012792851	PEAS 303 #303 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89150013062511	JUICE VEG3#3 CYL CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89150017049381	BEANPINILB1 LB CO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89150024656341	CRNBRY WHL#300 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89150025180681	CRNBRYJ300#300 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89150025505231	JUICETOM#3#3 CYL CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89150025739521	CORNCRM303#303 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89150028525461	SPINACH303#303 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89150058427951	PCHSHF21/2#2 1/2 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89150058427961	PCHSSL21/2#2 1/2 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89150061601961	BEANBLKEYEDRY.1 LBCO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89150061602241	PEARHF21/2#2 1/2 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89150078263651	BEANSTOMSC#3 CYL CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		891500A0310201	JUICE GRAPE 24 OZ 20	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		891500A0310671	JUICE TOMATO 32 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		891500A0421441	GREEN BEANS SLCD FRE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		891500A0480081	BEANS PINTO RED 15 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		891500A0776031	COLLARD GREENS #303	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

AR1 LAG LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NWS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
891500A0850911	BEANS GREEN WHLE NO	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A0851181	CORN WHLE KERNEL GOL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A0853101	FRUIT DRIED RAISINS	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A0970441	PORK & BEANS 16 OZ C	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A1343601	BEANS RED KIDNEY BEA	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A1344551	YAMS SMALL WHOLE 17	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A1681311	APPLE CIDER LITTLE B	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2640121	BEANS DRY GREAT NORT	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2640181	BEANS DRY PINTO 24 O	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2640301	BEANS BLACKKEYES DRY	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2640841	BEANS DRY KIDNEY RED	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2800071	POTATO FLAKES DEHY 8	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2940951	ORANGES MANDARIN 24-	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2941551	FRUIT COCKTAIL 24-30	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2942001	PEACHS Y.C. SLICED 2	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2942101	PEACHS Y.C. SLICED 2	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2947051	BEANS CUT GRN-BLUE L	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2947251	BEANS SEASON SLICE 2	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2947951	CORN CRM STYLE GOLDE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2948501	PEAS EG BLENDED 24-1	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2948551	PEAS EG BLENDED 24-8	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2949101	SPINACH LEAF 24-15 O	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A3281501	TOMATOES STEWED #300	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A3281681	TOMATOES PLD WHO # 2	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A3281851	TOMATOES PLD ITAL ST	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A3282301	PUREE TOMATO PIC 10-	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A3482791	JUICE GRAPEFRUIT UNS	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A3485701	JUICE TOMATO 8/6 PAC	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A3700401	TOMATO PASTE 6 OZ CN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A3701631	TOMATOES STEWED 14.5	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A4210661	PINEAPPLE CRUSHED FA	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A4211601	PINEAPPLE SLCD FNCY	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A4220521	PEAS EARLY JUNE 3 SV	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A4220601	CORN MEX W.K.W/PEPPE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A4790441	MUSHROOMS STEMS/PCS	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A4790761	MUSHROOMS FANCY BUTT	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200012594411	SPAGHETTI 1010 LBS	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
8920001640481	CRLBRFW/RS500R70INDV	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200016588631	FLRWHTB 1010 LB BG	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200017504291	COOKYMXSUG#10 CAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200027381921	CRLCORNPUF500R70INDV	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200053021851	RICE 10LBS10 LB BAG	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200082372721	CAKEMIX WH5 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200082372291	CAKEMIX YL5 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200092615391	SWTDOUGHMX#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200092660161	BISCMIX#10#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A0420331	RICE EXTRA FANCY BLU	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A0420771	RICE EXTRA LONG GRAI	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A0491261	CAKE MIX BUTTER RECI	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A0500921	FLOUR INSTANTIZED EN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A0505091	CEREAL LUCKY CHARMS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A0506251	CEREAL CHEERIOS 15 Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000A0870401	CORNMEAL YELLOW ENR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

ARI LAG		LEADTIME	WAREHOUSE														
STOCK NUMBER	ITEM NOMENCLATURE	NDS	NNS	NOS	NPS	MRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS	
892000A0872821	MIX PANCAKE COMPLETE	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
892000A0960361	MACRONI ELBOW 1 LB M	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
892000A0961081	NOODLES EGG FINE 12	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
892000A1213451	POP-TARTS FROSTED BL	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
892000A1336451	CRACKERS KRISPY 8 OZ	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
892000A1350591	NOODLES EGG MEDIUM 1	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
892000A1350661	NOODLES EGG BROAD 1	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
892000A1541901	MX BANANA BREAD QUC	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
892000A2181371	RICE PLUMP TENDER GR	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
892000A3952001	RIGOLETTI (ROTINI) 1	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
892000A3952451	LASAGNE RIBBED 1 LB	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
892000A4010121	RICE EXTRA LONG GRAI	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
892000A4921431	NOODLES RAMEN TOP OR	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
892000A4921461	NOODLES RAMEN TOP PD	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
892000A4921561	CUP O'NOODLES BEEF F	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
89250012640241	CANDY HARD3 LB CN	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.
89250012805651	NUTSMXSHL#10 CAN	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
89250022206251	COCONUT #3/#3 CYL CAN	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
89250025638141	PECANS 1 LB CAN	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
892500A0300121	SYRUP LARGE 24 FL O	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
892500A0400371	COCONUT SHREDDED POL	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
892500A0421361	HONEY PURE 16 OZ KRA	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
892500A0482281	NUTS MIXED W/PEANUTS	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
892500A0552681	SYRUP CHOCOLATE 16 O	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
892500A1661101	HONEY SPUN 1 LB NR 3	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
892500A3310251	TOPPING 7 1/2 OZ MAR	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
892500A3611261	NUTS ALMOND BLANCHED	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
893000A0115261	PEANUT BUTTER CHUNK	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
893000A0115501	PEANUT BUTTER CREAMY	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
893000A1180441	PEANUT BUTTER SMOOTH	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
893000A3251011	PRESERVES APRICOT 18	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
893000A3251031	PRESERVES CHERRY RED	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
893000A3253391	PRESERVES BLKBRY JAM	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
893000A4813201	PRESERVES PINEAPPLE	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
893500A0970061	SOUP COND BEAN W/BAC	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
893500A0970181	SOUP COND VEGETABLE	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
893500A0971741	SOUP BEEF CHUNKY 19	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
893500A1350081	SOUP MIX NDL W/REAL	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
893500A1350631	SOUP MX CKN NDL W/CK	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A47890731	PIEFILLBLU#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
89400064189611	DESSERTCHER#2 1/2 CAN	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.
89400064189641	DESSERTORNG#2 1/2 CAN	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.
894000A0050711	SPAGHETTI & MEAT BAL	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A0050941	PIZZA MIX PEPPERONI	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A0052081	POPCORN W/BUTTER 4.5	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A0480571	CHILI WITH BEANS 39	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A0482031	TAMALES 15 OZ. GEBHA	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A0500081	NOODLES ROMANOFF 5.5	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A0501621	MIX FROSTING INST CD	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A0586251	PUDDING VANILLA 3 1/	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A0840801	HASH ROAST BEEF 15 O	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A0970191	BLANS & FRANKS 15-3/	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.

ARI LAG LEADTIME

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NWS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
894000A0972121	CHICKEN A LA KING 10	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0975001	GRAVY MUSHRM 10-1/2	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1091081	BFD STRND BAN W/P-AP	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1091291	BFD STRND CRL MX W/A	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1094291	BFD OATMEAL W/BANANA	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1500321	PRETZELS STICKS MR S	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1542281	FRSTNG MLK CHOC SUPR	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1543271	FRSTNG STRWBERRY 16.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A2820101	OYSTER STEW 10.5 OZ	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A2940851	PUDDING CUP CHOC FUD	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A3030661	BFD FORMULA W/IRON R	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A3180521	BFD FORMULA CONCEN/L	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A3180811	BFD FORMULA CONC/LIQ	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A3251121	TOPPING ICE CRM CHOC	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A3480141	BEEF STEW 12/24 OZ N	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A4160781	DNR MACARONI & CHEDD	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A4811491	DINNER NOODLES W/CHE	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89450061600811	SALADOIL 1G1 GALLON	.	.	.	.	.	.	.	X	.	.	.	.	.	.
89450061600821	SALADOIL 1QT1 QUART CN	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894500A0490141	SHORTENING 12/3 LB.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894500A3282411	OIL GALLON PASTIC BT	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89500020509361	SALDRSG2.5#2 1/2 CAN	.	.	X	.	.	.	.	.	.	.	.	.	.	.
895000A0505431	SPAGHETTI SAUCE W/ME	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A0110031	SANDWICH SPREAD PI	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A0110291	TARTER SAUCE 8 OZ HE	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A0580111	BAKING POWDER 7 OZ C	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A0983931	KETCHUP TOMATOE 14 O	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A1470081	SAUCE TABLE 5 OZ #00	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A3281651	SAUCE TOMATO 72/8 8	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A3284111	SAUCE TOMATO W/MUSHR	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A3640951	PEPPERS TORRIDO HOT	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A4140181	SPAGHETTI SCE MIX W/	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A4510351	SAUCE SPAGHETTI W/ME	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A4813171	SALAD DRESSING MIRAC	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A4814711	MAYONNAISE REAL 16 O	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A4819881	SALAD DRESSING MIRAC	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A5290421	PICKLES SWEET PICKLE	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89550028653721	COFFEE.RST20 LB CAN	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895500A0480191	MIX COCOA INSTANT 12	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895500A0484101	MINI-MARSHMALLOW MIX	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895500A0584191	COFFEE DRIP GRIND 2	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895500A0584351	COFFEE INSTANT 6 OZ	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895500A0881531	COCOA MIX HOT 10/ 1	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895500A1351121	TEA ICED MIX LEMON F	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895500A1351301	TEA INSTANT 100 % PU	.	.	.	.	.	.	.	.	.	.	X	.	.	.
896000A0581341	BEV LMNDE 30 OZ SUGA	.	.	.	.	.	.	.	.	.	.	X	.	.	.
896000A0581351	BEV GRAPE 30 OZ SUG	.	.	.	.	.	.	.	.	.	.	X	.	.	.
896000A0581391	BEV CHERRY 12/30 OZ	.	.	.	.	.	.	.	.	.	.	X	.	.	.
896000A0581551	BEV MIX GRAPE 288 EN	.	.	.	.	.	.	.	.	.	.	X	.	.	.
896000A0581581	BEV. MIX CHERRY 288	.	.	.	.	.	.	.	.	.	.	X	.	.	.
896000A0581591	BEV MIX STRAWBERRY 2	.	.	.	.	.	.	.	.	.	.	X	.	.	.

ARI LAG	LEADTIME		WAREHOUSE														
STOCK NUMBER	ITEM NOMENCLATURE		NDS	NVS	NDS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SD0	SDU	SMS	SRS
896000A0581601	BEV MIX RASPBERRY 28	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
896000A0880291	CHOC BEV PREPARED CO	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
896000A1280571	DRINK MIX ORANGE 3 O	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
896000A1284831	DRINK MIX LEMONADE 3	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.

12-MO AVG PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
651000A0921221	NAPKINS SUPER 30 PER	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
651000A0921421	NAPKINS FEM MAXI NEW	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
651000A0923861	NAPKINS FEMININE NEW	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
651000A5480021	TAMPONS 40 PER PG SU	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
681000A3431161	DEGREASER GREASE REL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
684000A0712711	DEODORANT SPACE SUNN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
684000A1380731	DISINFECTANT BATHRM	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
721000B5109801	CLOTH ALL-PURPOSE PK	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
733000B5105541	SCRUBBER NYLON RECTA	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
733000B5109461	POTHOLDERS QUILTED C	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
792000B5105751	SPONGE CELLULOSE 5-1	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
792000B5105771	SPONGE CELLULOSE 5-1	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
792000B5109161	BRUSH SANITARY BOWL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
792000B5109201	HANDLE MOP SPRING LE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
792000B5109261	MOP STICK OR YACHT W	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0052391	OVENCLEANER SPRY LEM	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0201231	WAX ONE STEP FOR WOO	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0490921	DETERGENT REGULAR 20	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0491921	CLEANER GIANT 21 OZ.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A1241741	CLEANER GIANT 1 LB	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
810500A2170161	BGS SANDWICH 15OCT.6	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
813500A2100161	ALUM FOIL REG.200 SQ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
813500A2170061	WRAP FOOD PLASTIC 12	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
813500A3200311	WAX PAPER 100 FT #73	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
813500A3630331	BAGS GAL SIZE 20'S Z	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
851000A4650321	DEODOR STICK 24/2 1/	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
851000A4681571	HAIR SPRAY 8 OZ PL F	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
852000A0190141	TOWELETTES 70'S POP-	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
852000A0301761	TOOTHPASTE FAMILY 6.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
852000A1243031	TOOTHPASTE FAMILY 7	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
852000A1243271	SOAP DEODORANT BATH	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
852000A4480121	CREAM SHAVING FOAMY	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
853000A4482061	RAZOR BLADES TRAC II	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
854000A1240071	TOWELS REUSABLE 8 AS	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
854000A2071401	TISSUE FACIAL ASSTD	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
854000A2072031	TISSUE TOILET S/PAC	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
854000A3201141	TISSUE BATHRM ASST C	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
854000A3204041	TOWELS BG RL DECO PR	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A0510091	D0G FOOD REGULAR 15	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A0870061	D0G FOOD 15 OZ CN KE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A1120901	D0G FOOD BEEF STEW C	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A1380011	CAT LITTER 4 LB.BAG	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A1500351	D0G FOOD FLAVOR SNAC	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A2050841	CAT FD SUPER SUPPER	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A2051001	CAT FOOD LIVER N-CRE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A2051221	CAT FD MACKEREL DINW	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A2820641	CAT CHOW ORIGINAL BL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A2820721	CAT CHOW REG 4 LB NR	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A2821341	PET FD SEAFOOD 12 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A2822701	PET FOOD TUNA 12 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A2822801	PET FOOD BEEF 12 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89050012640201	LUNCH MEATS LB CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	X
89050064189411	TUNA12.5OZ12.5-13 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

12-MO AVG PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	MNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SDS	SDU	SMS	SRS
89050093531611	TUNA 4LB #603X408CN	.	.	.	.	.	.	.	.	.	X	.	.	.	.
890500A0840141	TURKEY TENDER CHUNK	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A0840631	SPAM SMOKE FLAVORED	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A2391651	CLAMS SMOKED 3.66 OZ	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A2820211	TUNA LIGHT CHUNK PK	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A2820271	TUNA CHUNK LT WATER	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A2820281	TUNA FISH LIGHT CHUN	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A3481051	VIENNA SAUSAGE 48/5	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A3481191	CORN BEEF 5TH AMER 2	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A3482121	SALMON PINK 24/15.5	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A3990131	KIPPER SNACKS 3 1/4	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89100078233161	SOURCRMSXPACKAGE	.	X	.	.	.	.	.	.	.	.	X	.	.	.
89100078237651	CHEESE GRT1 LB CO	X	.	X	.	.	.	.	.	.	.	.	.	.	.
89100096515531	EGG MIX #3#3 CYL CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89150008101201	BEANKONY 22 LB BAG	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89150008516501	JCEGRPTS3 #3 CYL CAN	.	.	X	.	.	X	.	.	.	.	.	.	.	.
89150012718791	BLUBERY 10#10 CAN	X	.	.	X	.	.	.	.	.	.	.	.	.	.
89150012779951	PEAS DRY 1 LB PKG	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89150012796771	POT WH 10 #10 CAN	X	X	X	.	.	.	.	.	.	.	.	.	.	.
89150013062511	JUICE VEG3#3 CYL CAN	X	X	.	.	.	.	.	.	.	.	.	.	.	.
89150014108331	JCEGRFOS3#3 CYL CAN	.	X	.	.	.	X	.	.	.	.	.	.	.	.
89150014915711	GARLICDEHY12 OZGL JR	.	.	.	X	.	.	.	.	.	.	.	.	.	.
89150017049381	BEANPINTLB1 LB CO	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89150018371351	JCEA51/4-65 1/4-6 OZ	X	X	X	.	.	.	.	.	.	.	.	.	.	.
89150018456011	BEANS/PORK#10 CAN	X	X	.	.	.	.	.	.	.	.	.	.	.	.
89150020509371	JCE051/4-65 1/4-6 OZ	X	X	X	.	.	.	.	.	.	.	.	.	.	.
89150020509381	JCEPINEAPL5-1/2-6FLZ	X	.	X	.	.	.	.	.	.	.	.	.	.	.
89150022358001	JCEG51/4-65-1/4-6FLZ	X	.	X	.	.	.	.	.	.	.	.	.	.	.
89150024128001	JUCEORNG #3 CYL CAN	.	X	X	.	.	.	.	.	.	.	.	.	.	.
89150024656341	CNRBRY WHL#300 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150025180681	CNRBRYJ300#300 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150025505231	JUICETOM#3#3 CYL CAN	.	X	.	.	.	.	.	.	.	.	.	.	.	.
89150025679931	JUICE VEG 5-1/2-8 OZ	.	X	.	.	.	.	.	.	.	.	.	.	.	.
89150025739521	CORNCRM303#303 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150028118091	JUICE GRP 3#3 CYL CAN	.	.	X	.	.	X	.	.	.	.	X	.	.	.
89150028654831	FRTCKT21/2#2 1/2 CAN	.	X	.	.	.	.	.	.	.	.	.	.	.	.
89150058427951	PCHSHF21/2#2 1/2 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150058427961	PCHSSL21/2#2 1/2 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150061601961	BEANBLKEYEDRY 1 LB CO	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150061602241	PEARHF21/2#2 1/2 CAN	.	.	X	.	.	.	.	.	.	.	.	.	.	.
89150061648161	BEANMAX303#303 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150061648171	BEANGR 303#303 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150078263651	BEANSTOMSC#3 CYL CAN	.	X	.	.	.	.	.	.	.	.	.	.	.	.
89150085165641	CNRBRYJ#10#10 CAN	X	X	.	.	.	.	.	.	.	.	.	.	.	.
89150092667701	CORWH2/3032VAC/303CN	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89150092667931	BEANKONY10#10 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89150097505301	PARSLEY 1-1/2 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A0310201	JUICE GRAPE 24 OZ 20	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A0425751	TOMATOES DUCHESS CAL	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A0480081	BEANS PINTO RED 15 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A0770881	DRINK GATORADE 32 Z	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A0772491	REANS KIDNEY DARK RE	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A0775011	BEANS W/PORK NO.300	.	.	.	.	.	.	.	.	.	.	.	.	.	.

12-MO AVG PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SDB	SDQ	SDU	SMS	SRS
891500A0775101	BEANS W/PORK 12/53	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A0776031	COLLARD GREENS #303	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A0850051	SAUCE APPLE 25 OZ MO	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A0850801	ASPARAGUS ALL GREEN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A0970081	JUICE VEG COCKTAIL 1	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A0970161	JUICE VEG COCKTAIL 4	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A1280101	JUICE LEMON 32 OZ. R	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A1281321	JUICE LEMON 8 OZ REA	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A1681311	APPLE CIDER LITTLE B	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A1992351	POTATO IDAHO SPUDS 1	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A240081	VEGETABLES MIXED 16	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2640181	BEANS DRY PINTO 24 O	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2640841	BEANS DRY KIDNEY RED	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2800561	POTATOES AU GRATIN D	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2800631	POTATOES SCALLOPED D	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2800661	POTATOES HASH BROWN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2940751	PRUNES PITTED 24-12	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2942551	PEARS HALVES 24-16 O	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2947151	BEANS FRENCH STYLE S	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2948101	CORN WK FAM STYLE GL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A3485701	JUICE TOMATO 8/6 PAC	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A3640281	PEAS BLACKEYE WITH B	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A4211081	JUICE PINEAPPLE GPK	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A4211601	PINEAPPLE SLCD FNCY	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A4220681	CORN NIBLET W.K. 12 Z	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A4221281	CORN CREAM STYLE 17	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A4221401	ASPARAGUS FCY X-LONG	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500J9000751	PEPPERONCINI PEPPERS	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500J9009081	JUICE ORANGE FROM CO	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200004353521	TACOSHHELLSPACKAGE	.	X	.	.	.	.	.	.	.	.	.	X	.	.	.
89200006761461	MACARONI 10 LB BX	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200012594411	SPAGHETTI 1010 LBS	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200012633881	NODDLES 5LBS LBS	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200012797711	HOMINY WHOL#2 1/2 CAN	X	X	.	.	.	.	.	.	.	.	.	X	.	.	.
89200013277821	CEREAL SST700R100IND	X	X	.	.	.	.	.	.	.	.	.	X	.	.	.
89200014077481	FLRWT10LB 10 LB BG	.	X	.	.	.	.	.	.	.	.	.	X	.	.	.
89200014077491	FLRWT50LB 50 LB BG	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200016061651	STRCHEDCRN1 LB	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200016404461	CRLDATSPUF50 INDSEV	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200016404481	CRLRRFW/RS500R70INDV	X	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200016568631	FLRWHTB 1010 LB BG	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200016568641	FLRWHTB 5050 LB BG	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200017111471	CRLWHTPUFF500R70INDV	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200019413911	CKMXYELLOW18-20 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200022206011	NODLECHWN#10 CAN	X	X	.	.	.	.	.	.	.	.	.	X	.	.	.
89200025238381	CRACKRSODA1 DR 2 LBS	X	X	.	.	.	.	.	.	.	.	.	X	.	.	.
89200025740181	CEREAL WW 22 OZ	X	X	.	.	.	.	.	.	.	.	.	X	.	.	.
89200027289391	CRLCORNF500R70INDV	X	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200027381921	CRLCORNF500R70INDV	X	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200043549181	CORNBDMIX#10 CAN	X	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200053021851	RICE 10LBS10 LB BAG	X	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200055968641	CRACKRSODAPACKAGE	X	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200058464401	BARLEY 1 LB BX	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.

12-MO AVG PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NWS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
89200061600241	CORNML240Z24 OZ	X					X									
89200078221291	LASAGNANDLCTN	X	X			X	X								X	X
89200078263531	PANCKMXWH#10 CAN	X	X						X	X						
89200082372211	CAKEMIX DF5 LB	X			X											
89200082372231	CAKEMIX GB5 LB		X												X	X
89200082372271	CAKEMIX WH5 LB				X											
89200082372291	CAKEMIX YL5 LB	X							X	X					X	
89200092615391	SWTDOUGHMX#10 CAN			X						X						X
89200092649171	STARCH #10#10 CAN										X					
89200092660161	BISCMIX#10#10 CAN					X										X
89200092660171	ROLL MIX #10 CAN											X			X	
89200092660181	DONUT MIX #10 CAN									X						
89200093532621	BRWNMXCHOC#10 CAN	X									X				X	
892000A0115841	STARCH CORN 1 LB ARG											X				
892000A0501371	MIX PIE CRUST STICKS											X				
892000A0501911	MIX CAK WHITE 18.5 Z											X				
892000A0501961	MIX CAK DEVILS FD 1											X				
892000A0503011	MIX CAKE/APPLSCS RAS											X				
892000A0503111	COOKIE MX CHOC CHIP											X				
892000A0503141	COOKIE MX OATMEAL 30											X				
892000A0503851	CAKE GLND POUND 16 Z											X				
892000A0580611	CEREAL HONEYCOMB RTE											X				
892000A0580971	CEREAL ALPHA BITS 10											X				
892000A0582421	STUFF MX CHKN 6 OZ											X				
892000A0584141	CEREAL GRAPE NUTS 16											X				
892000A0870051	CEREAL OAT QUICK 18											X				
892000A0870821	GRITS HOMINY INSTANT											X				
892000A0871871	CEREAL NATURAL 100 %											X				
892000A0872301	MIX PANCAKE ORIGINAL											X				
892000A0872651	MIX PANCAKE BUTTERM											X				
892000A0872851	MIX CORNBREAD EASY 1											X				
892000A0876541	CEREAL CAP N CRUNCH											X				
892000A0880571	COOKIE MIX CHOCOLATE											X				
892000A0960801	SPAGHETTI THIN 3 LB											X				
892000A1170081	MIX MUFFIN CORN 8.5											X				
892000A1210071	CEREAL MINI - WHEATS											X				
892000A1213351	POP-TARTS FROSTED GR											X				
892000A1350591	NOODLES EGG MEDIUM 1											X				
892000A1502641	CRACKERS GRAHAM HONE											X				
892000A1502761	CRACKERS TRISCUIT WA											X				
892000A1506841	CEREAL SHREDDED WHEA											X				
892000A1506931	CEREAL SHREDDED WHEA											X				
892000A1541351	PANCAKE MX EXTRA LGH											X				
892000A1543571	MX PIE CRUST 11 OZ 6											X				
892000A1960211	RICE BROWN 12/1 LB U											X				
892000A2233811	CRACKERS GRAHAM DELU											X				
892000A2233861	CRACKERS HONEY GRAHA											X				
892000A2236711	CONE SUGAR 4 OZ 12 C											X				
892000A2820701	CEREAL CORN CHEX 16											X				
892000A3953301	NOODLES EGG WIDE FLU											X				
892000A4921431	NOODLES RAMEN TOP OR											X				
892000A4921441	NDLS RAMEN TOP BEEF											X				
892000A4921451	NOODLES RAMEN TOP CH											X				

12-MO AVG	PROCUREMENT CYCLE		WAREHOUSE														
STOCK NUMBER	ITEM NOMENCLATURE		NDS	NWS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
892000A4921461	NOODLES RAMEN TOP PO		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A4921561	CUP O'NOODLES BEEF F		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000J9001241	BREAD CRUMBS 24/10 O		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000J9007351	TOAST PLAIN MELBA 12		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89250012594541	MOLASSES #2 1/2 CAN		X	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89250012805651	NUTSMXSHL#10 CAN		.	.	.	X	.	.	.	X	.	.	.	X	.	.	.
89250022206251	COCONUT #3/3 CYL CAN		.	.	.	X	.	.	.	.	.	.	.	X	.	.	.
89250022355041	SUGAR 35LB35 LBS		.	.	.	.	.	X	.	.	.	.	.	.	.	.	.
89250025259501	WALNUTS 1 LB		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89250061601851	CHOCCLTS#10#10 CAN		X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89250068267051	SYRUP #10 #10 CAN		.	.	.	.	.	.	.	.	.	.	.	.	.	X	X
89250068267081	SYRUP2 1-2#2 1/2 CAN		.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
89250078233181	CHOCCK120212 OZ		X	.	X	.	.	.	.	.	X	.	.	.	.	.	.
89250093532601	ICING MX C#10 CAN		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89250093532611	ICING MX V#10 CAN		.	.	.	.	.	X	.	.	.	.	.	.	.	.	X
89250096515521	MARSHMALLO1 LB CO		X	.	.	.	.	.	.	.	.	.	.	.	.	.	X
892500A0401011	COCONUT FLAKE POLY 7		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0482281	NUTS MIXED W/PEANUTS		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892500A0552401	CHOCOLATE BAKING 1/2		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892500A0581871	COCONUT FLAKES ANGEL		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892500A0583911	SYRUP LOG CABIN 24 O		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892500A0882671	CHOCOLATE SEMI-SWEET		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892500A0882681	CHOCOLATE MORSELS SE		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892500A0900011	ALMONDS SHELLED SMOK		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892500A0900021	ALMONDS BARBECUE 6 O		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892500A4810151	CANDY CARAMELS 14 OZ		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892500L0370041	JUNIOR BLOW POPS MED		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89300054376021	PNUTBTS2LB#2 1/2 CAN		.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
893000A0115501	PEANUT BUTTER CREAMY		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893000A0780261	PEANUT BUTTER SMOOTH		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893000A3250331	PRESERVES BLUEBERRY		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893000A3251011	PRESERVES APRICOT 18		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893000A3253391	PRESERVES BLKBRY JAM		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893000A4811591	JELLY GRAPE 2 LB #54		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893000A4813051	PRESERVES GRAPE 18 O		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893000A4813251	PRESERVES STRAWBERRY		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893000A4813301	PRESERVES RED RASPB		.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89350023462171	SOUPBASEBF#2 1/2 CAN		.	.	X	.	.	.	.	.	X	.	.	.	.	.	.
89350041943221	SUPCBARW/B#3 CYL CAN		.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
89350048045501	SUPCBN/BAC#3 CYL CAN		.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
89350048045521	SUPCNBFDL#3 CYL CAN		X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89350048045531	SUPCNCHDL#3 CYL CAN		X	.	.	.	.	X	.	.	.	.	.	.	.	.	.
89350048045541	SUPCNCHM/R#3 CYL CAN		X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89350048045551	SUPCNCRMCH#3 CYL CAN		X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89350048045601	SUPCNMINST#3 CYL CAN		X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89350048045611	SUPCN TOM #3 CYL CAN		.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
89350048045631	SUPCN VEG #3 CYL CAN		X	.	X	.	.	.	.	.	.	.	.	.	.	.	.
89350048045641	SUPCCEGW/B#3 CYL CAN		X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89350048045651	CLANCHOWNY#3 CYL CAN		X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89350054377891	SUPBASEC#K2 1/2 CAN		X	.	X	.	.	.	X	.	.	.	.	.	.	.	.
893500A0970061	SOUP COND BEAN W/BAC		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
893500A0970331	SOUP COND CREAM OF C		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
893500A0970421	SOUP COND CHKN W/RIC		.	.	.	.	.	.	.	.	.	.	.	.	.	.	X

12-MO AVG PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SDB	SDO	SDU	SMS	SRS
893500A0970671	SOUP COND CHKN NMLE-	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893500A0970781	SOUP COND CRM OF POT	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893500A0970821	SOUP COND CHKN BROTH	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893500A0971051	CLAM CHOWDER COND MA	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893500A0971181	SOUP COND CRM OF SHR	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893500A0971741	SOUP BEEF CHUNKY 19	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893500A0971831	SOUP CHICK NMLE 19 O	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893500A0974751	SOUP COND CHKN VEG N	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893500A1283921	BOUILLON INSTANT CHI	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893500A1350211	SOUP MIX ONION 2-1-	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893500A1350631	SOUP MX CKN NDL W/CK	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893500A1351181	CUP-A-SOUP MX INST C	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893500A1353261	SOUP MIX CHKN NOODLE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893500A1353291	SOUP-CUP-A MIX BEEF	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893500A3830261	BOUILLON CUBES CHICK	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A0806041	SCMXTOMBS#2 1/2 CAN	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.
89400012633941	CHILI W/DBNG.75 LBS	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
89400012772971	MINCMEAT #10 CAN	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89400013186911	DESSERTBTR#10 CN	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.
89400014871421	HASHCRNDBF#10 CN	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89400045130231	PIFILLPREL#10 CAN	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
89400047890731	PIFILLBLU#10 CAN	.	.	X	X	X	.	.	.	.	.	.	.	.	.	.
89400048045351	TOPICRMPIN#10 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400048045381	TOPICRMSTW#10 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400048045481	RAVIOLI #10 CAN	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
89400048045491	TAMALES BF#10 CAN	.	X	X	.	.	.	.	.	.	.	.	.	.	.	.
89400051601271	MERINGUPWD#2-1/2 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400051602261	PIEFILLAPL#10 CAN	.	.	.	.	X	.	.	.	.	.	.	X	.	.	.
89400051602271	PIEFILLCHR#10 CAN	.	.	.	.	.	.	X	.	.	.	.	X	.	.	.
89400051602281	PIEFILLPCH#10 CAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89400064189611	DESSERTCHER#2 1/2 CAN	.	X	.	.	.	.	.	.	.	X	.	.	.	.	.
89400064189621	DESSERTLEW#2 1/2 CAN	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89400064189631	DESSERTIME#2 1/2 CAN	.	.	X	X	.	.	.	.	X	.	.	.	.	.	.
89400064189641	DESSERTORNG#2 1/2 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400064189651	DESSERTRASP#2 1/2 CAN	.	X	.	.	.	.	.	.	.	.	.	.	.	X	.
89400064189661	DESSERTSTRW#2 1/2 CAN	.	X	.	.	.	.	.	.	X	.	.	.	.	X	.
89400068266091	POPCORN 10 OZ CAN	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89400088937361	TOPPING 1 LB	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.
894000A0050051	BEEFARONI 15 OZ CHEF	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A0050941	PIZZA MIX PEPPERONI	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A0051191	RAVIOLI MINI 15 OZ C	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A0502341	SNACKS BUGLES 7 OZ 6	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A0581261	GELATIN STRAWBERRY 6	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A0820261	MEAT RAVIOLI IN SAUC	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A0840061	CHILI W/BEANS 7.5Z S	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A0840221	CHILI CON CARNE W/BE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A0840271	HOT CHILI W/BEANS 7.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A0840301	CHILI CON CARNE NO/B	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A0840461	BEEF STEW 7.5Z SHORT	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A0841981	CHILI MAC 7.5Z SHORT	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A0842051	SPAGHETTI-N-MEAT BAL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A0974831	CHICKEN N DUMPLINGS	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1090101	BFD STRND VEG & CHIC	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.

12-MO AVG PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE														
		NDS	NNS	NDS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SDB	SDQ	SDU	SMS	SRS
894000A1090121	BFD STRND VEG & BEEF	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1090711	BFD STRND CREAMED CO	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1090721	BFD STRND PEACHES 4.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1090791	BFD STRND PEACH COBB	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1090821	BFD STRND JUICE ORAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1090851	BFD STRND JUICE ORAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1090971	BFD STRND JUICE APPL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1091291	BFD STRND CRL MX W/A	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1091471	BFD JUN VEGETABLES &	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1091501	BFD JUN VEG & BACON	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1091561	BFD JUN VEG & TURKEY	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1091591	BFD JUN CHN NOODLE D	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1091621	BFD JUN BEEF & EGG N	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1091651	BFD JUN SPAG TOM SAU	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1091741	BFD JUN VEG & HAM 7.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1091831	BFD JUN CARROTS 7.5-	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1092041	BFD JUN APPLESauce 7	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1092071	BFD JUN PEARS & PINE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1092101	BFD JUN APLESC & AP	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1092131	BFD JUNIOR PEARS 7.5	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1092281	BFD JUN FRUIT DES 7.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1092311	BFD JUN DUTCH APPLE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1092941	BFD JUN BEEF 3.5 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1094261	BFD CEREAL MIXED W/B	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1350651	ICED TEA LOW-CAL W/L	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1500241	PRETZELS MISTER SALT	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A1541021	SWTNER LIQUID 6 OZ N	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A2820101	OYSTER STEW 10.5 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A2940701	PUDDING CUP VANILLA	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A2940801	PUDDING CUP CHOCOLAT	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A3030661	BFD FORMULA W/IRON R	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A3031001	BFD FORML. LIQ. CONC. 1	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A3180521	BFD FORMULA CONCEN/L	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A3180901	BFD FORM R-T-FEED LI	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A3446671	LIQUID DIET VERY VAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A3446681	LIQUID DIET VERY CHO	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A3446691	LIQUID DIET VERY STR	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A3446771	LIQUID DIET VERY DUT	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894000A4450151	POPCORN YELLOW 28 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89450008093961	SHORTINGSGA5 GALLON	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89450061600811	SALADOIL 1G1 GALLON	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89450061600821	SALDOIL 1QT1 QUART CN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
894500A0490631	OIL FOOD 128 FL OZ P	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89500012563331	POWDER BKG1 LB	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89500012780671	PEPRGRD 1W1 LB CAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89500012789191	SALDRSG GA1 GALLON	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89500012789411	FLAVAN8028 FLUID OZ	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89500012797901	CATSUP140Z14 OZ BTL	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89500017095711	CLOVESGRND1-2 OZ CO	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89500020509361	SALDRSG2.5W2 1/2 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89500029296111	SODA BKG 1 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89500048905461	PEPRPKL 10W10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89500054376981	MUSTRD21/2W2 1/2 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

12-MO AVG PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NWS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDO	SDU	SMS	SRS
89500007745941	SALDRSG OT1 QUART JR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89500061654841	GINGRGR3-43-4 OZ CO	X	.	.	.	.	.	.	.	X	.	.	.	.	.	.
89500075329621	CHILI PWDR1 LB GL BT	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
89500093532541	SOY SAUCE 16FLUID OZ	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
895000A0050271	PIZZA SAUCE 10 1/2 O	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A0110011	MAYONNAISE QUART MEL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A0110031	SANDWICH SPREAD PI	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A0110291	TARTER SAUCE 8 OZ HE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A0151161	SPICE SEASON-ALL 3-1	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A0151741	GARLIC POWDER 1-1/4	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A0156211	ONION MINCED 4-1/4 O	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A0157661	SPICE PEPPR BLK 4 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A0480991	CHILI POWDER 3 OZ.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A0587281	DRSNG MX ITAL SALAD	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A0587331	DRSSNG SALAD MX REFI	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A0981531	VINEGAR TARRAGON 12	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A0983421	SAUCE BBO REGULAR W/	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A0984441	GENUINE D'LS 46 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A1350091	SALAD DRESSING ITALI	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A1350361	SALAD DRESSING RUSSI	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A1351481	SALAD DRESSING DELUX	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A1440141	SAUCE WORCESTERSHIRE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A1470031	VINEGAR WINE RED 12	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A1470081	SAUCE TABLE 5 OZ #00	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A2190161	SAUCE TACO 4 OZ #730	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A3890081	BAKING SODA 1 LB ARM	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A3900701	OLIVES JUMBO PITTED	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A4380101	SAUCE MARINADE TERIY	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A4813171	SALAD DRESSING MIRAC	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A4814701	SAUCE BBQ 18 OZ BT #	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A4819871	SALAD DRESSING MIRAC	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A5290021	PICKLES KOSHER BABY	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A5290081	PICKLES POLISH SPEAR	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A5290261	PICKLES SWEET BUTTER	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000A5290931	COCKTAIL ONIONS 8 O	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895000V0570061	OLIVES GREEN STF 70Z	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89550022358061	COCOA 1/4CN1 LB	X	.	X	.	X	.	.	.	.	.	.	.	.	X	.
89550028653681	COFFEE, RST2 LB CAN	X	X	X	.	.	.	.	.	.	X	.	.	.	.	X
89550028653691	COFFEE, RST3 LB CAN	.	.	.	.	.	.	.	.	.	X	.	.	.	.	X
89550028653721	COFFEE, RST20 LB CAN	.	.	X	X	X	X	X	X	X	X	.	.	.	.	X
89550078232141	TEAING-3/46-3/4 OZ	.	.	X	X	X	.	.	.	.	.	.	.	.	.	.
895500A0581221	COFFEE FREEZE DRIED	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.
895500A0881531	COCOA MIX HOT 10/ 1	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895500A0881811	TEA INST SOLUBLE IN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895500A1350831	TEA BAGS 100 CT 8 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895500A1351301	TEA INSTANT 100 % PU	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
895500A1351411	TEA BAGS BLACK OP&P	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
896000A0580821	BEVERAGE ORANGE 27 O	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
896000A0581351	BEV GRAPE 30 OZ SUG	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
896000A0581391	BEV CHERRY 12/30 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
896000A0581491	REV ORANGE 12/30 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
896000A0581511	REV RASPBERRY 30 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
896000A0581531	BEV MIX ORANGE 288 E	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.

12-MO AVG	PROCUREMENT CYCLE	STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE														
				NDS	NWS	NDS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
896000A0581581	BEV. MIX CHERRY 288			.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
896000A0586721	MX SOFT DRNK ASST 4			.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
896000A0880291	CHOC BEV PREPARED CO			.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
896000A3700381	BREAKFAST INST VARIE			.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
897500A0530121	CIGARETTES WINSTON F			.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
897500A0530131	CIGARETTES 20S - 100			.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
897500A0530181	CIGARETTES SALEM MEN			.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
897500A0530201	CIGARETTES 100 S TAX			.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
897500A0531191	CIGARETTES SALEM LIGH			.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
897500A1750221	CIGARETTES 100S MENT			.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
897500A1750241	CIGARETTES FILTER LO			.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
897500A1750431	CIGARETTES FILTER 10			.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
897500A1751741	CIGARETTES KING SZ S			.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
897500A1751751	CIGARETTES KING SZ S			.	.	.	.	.	.	.	.	.	.	.	.	X	.	.

COMBINED PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NNS	NDS	NPS	NRS	NVS	NXS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
650500A2921201	VITAMINS MULTIPLE 10	.	.	.	.	.	.	.	.	.	.	X	.	.	.
651000A1581501	RANDAGES ADHESIVE 70	.	.	.	.	.	.	.	.	.	.	X	.	.	.
651000A5480011	FAMPONS 40 PER PG. S	.	.	.	.	.	.	.	.	.	.	X	.	.	.
681000A3320481	SPRAY STARCH AEROSOL	.	.	.	.	.	.	.	.	.	.	X	.	.	.
681000A3320541	STARCH SPRAY-ON FABR	.	.	.	.	.	.	.	.	.	.	X	.	.	.
681000A4461121	WATER CONDITIONER RE	.	.	.	.	.	.	.	.	.	.	X	.	.	.
684000A0190481	DISINFECTANT AEROSOL	.	.	.	.	.	.	.	.	.	.	X	.	.	.
685000A1380241	BLEACH LIQUID 1/2 GA	.	.	.	.	.	.	.	.	.	.	X	.	.	.
685000A1380321	BLEACH LIQUID GALLON	.	.	.	.	.	.	.	.	.	.	X	.	.	.
685000A1380601	BLEACH ALL FABRIC 40	.	.	.	.	.	.	.	.	.	.	X	.	.	.
685000A3040151	BLEACH SUPER HALF GA	.	.	.	.	.	.	.	.	.	.	X	.	.	.
721000B5109411	CLOTH DISH PKG 4 18	.	.	.	.	.	.	.	.	.	.	X	.	.	.
721000B5109831	CLOTH POLISHING PKG	.	.	.	.	.	.	.	.	.	.	X	.	.	.
733000B5105631	SCRUBBER PLASTIC PKG	.	.	.	.	.	.	.	.	.	.	X	.	.	.
792000A3040061	SOAP FILLED PADS #03	.	.	.	.	.	.	.	.	.	.	X	.	.	.
792000A3040211	SCOURING PADS NYLON	.	.	.	.	.	.	.	.	.	.	X	.	.	.
792000B5109181	BRUSH SCRUBBING HOUS	.	.	.	.	.	.	.	.	.	.	X	.	.	.
792000R5109241	MOP BLOCK SPONGE WIT	.	.	.	.	.	.	.	.	.	.	X	.	.	.
792000B5109281	MOP COTTON STICK CLE	.	.	.	.	.	.	.	.	.	.	X	.	.	.
792000B5109341	MOP SPONGE REFILL BL	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0051261	SOAP LIQ COLD WATER	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0200381	AMONIA PLAS LEMON SU	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0300901	DETERGENT CONCENTRAT	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0420541	AMMONIA HOUSEHOLD CL	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0491881	CLEANER LIQUID GIANT	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0492001	CLEANER BATHROOM 6 O	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0710181	FLOOR WAX 27 OZ HD G	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0710851	FURNITURE POLISH 14	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0711111	FURNITURE POLISH 14	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0711151	RUG CLEANER 24 OZ AE	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0712051	FLOOR FINISH 27 OZ F	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A1240961	DETER GIANT 3# 1 OZ	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A1241581	DETERGENT LIQ KING 3	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A1700351	RUG CLEANER LIQUID O	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A3042661	STAINLES STEEL & ALU	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A3042721	DISHWASHING LIQ PINK	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A3130241	DETERGENT DISHWASHER	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A3130661	LIM & RUST REMVR 16	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A3590111	CLEANER 28 OZ PINE S	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A3630181	BATHRM CLEANER/SANTZ	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A4680621	DUST CONTROL SPRAY 1	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A4682171	CLEANER OVEN SPRAY 8	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A4683101	CLEANER TOILET BOWL	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A4683151	FURNITURE POLISH W/L	.	.	.	.	.	.	.	.	.	.	X	.	.	.
810500A0600191	BAGS GARBAGE PLAST 3	.	.	.	.	.	.	.	.	.	.	X	.	.	.
813500A2100121	ALUM FOIL REG.75 SQ	.	.	.	.	.	.	.	.	.	.	X	.	.	.
813500A2100241	ALUM FOIL HVY DTY 24	.	.	.	.	.	.	.	.	.	.	X	.	.	.
813500A3630151	WRAP PLASTIC JUMBO S	.	.	.	.	.	.	.	.	.	.	X	.	.	.
813500A3630291	BAGS QUART SIZE 25'S	.	.	.	.	.	.	.	.	.	.	X	.	.	.
851000A0760051	LOTION W/DISP 15 OZ	.	.	.	.	.	.	.	.	.	.	X	.	.	.
851000A1580181	SHAMPOO BABY 11 OZ 3	.	.	.	.	.	.	.	.	.	.	X	.	.	.
851000A2510241	DEODORANT XTR DR ANT	.	.	.	.	.	.	.	.	.	.	X	.	.	.
851000A4480161	DEODORANT RIGHT GUAR	.	.	.	.	.	.	.	.	.	.	X	.	.	.

COMBINED PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
851000A4540081	LOTION AFTER SHAVE R	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
851000A4650041	LOTION AFTER SHAVE R	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
852000A0200451	SOAP BATH GOLD 5 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
852000A0200511	SOAP BATH SIZE WHITE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
852000A0200631	SOAP BATH SIZE ALMON	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
852000A0304331	TOOTH PASTE FAMILY 6.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
852000A0493021	TOOTH PASTE DENTIFRIC	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
852000A0493101	TOOTH PASTE REGULAR 7	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
852000A0493191	TOOTH PASTE MINT 7 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
852000A1240171	SOAP BATH GR 4.75 Z	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
854000A0920281	TISSUE FACIAL ASST 1	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
854000A0920671	NAPKINS DINNER ASST:	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
854000A0921951	NAPKINS DINNER ASST:	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
854000A0922701	TOWELS JUMBO 100-2 P	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
854000A0922801	TISSUES BOUTIQUE ASS	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
854000A3202331	NAPKINS FAMILY WHITE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
854000A3203941	NAPKINS FAMILY ASST.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
854000A4300921	TISSUE TOILET ASSTD.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A0870921	FOOD DOG SPECIAL CUT	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A1120101	DOG FOOD BEEF CHUNKS	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A1120201	DOG FOOD HORSEMEAT C	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A1120501	DOG FOOD CHICKEN DIN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A1500211	BISCUITS DOG MILK-80	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A2050201	CAT FOOD TUNA N-SAUC	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A2820241	DOG CHOW REG 10 LB N	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A2822751	PET FOOD LIVER 12 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A2822851	PET FOOD GOURMET 12	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89050012640201	LUNCH MEAT6 LB CAN	.	X	.	X	.	.	.	.	.	.	.	.	.	.	.
89050012879141	CLAMS CND 49 DR 510Z	X	.	.	X	.	.	.	.	.	.	.	.	.	.	.
89050026700401	TUNA 6.5-76.5-7 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050058213431	SARDINES CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050064189411	TUNA 12.50Z12.5-13 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050093531611	TUNA 4LB #603X408CN	X	X	.	X	.	.	.	.	.	.	.	.	.	.	.
890500A0200171	HAM CHOPPED 12 OZ. A	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A0200501	VIENNA SAUSAGE 5 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A0201341	BEEF SLICED DRIED 2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A0840131	CHICKEN BREAST OF CH	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A0840281	HAM CANNED BLACK LAB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A0840561	SPAM 7 OZ #376013 HO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A0840611	SPAM 12 OZ TIN CN #1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A0841051	HAM TENDER CHUNK 6-3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A0970071	CHICKEN CHUNK WHI 8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A2380961	ANCHOVIES FLAT IN O.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A2820351	TUNA FISH LIGHT CHUN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A3481611	SALMON RED 24/7.75 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A3703001	LUNCHEON MEAT PREM 1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890500A3911001	POLISH STYLE SAUS 9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890501V0309221	SARDNS BRSLG 3 3/4OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890501V0309241	SARDNS SOY/OI 3 3/4OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
890501V0309261	SARDNS MUSSC 3 3/4OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100012634431	MILKEV14.514.5 OZ CN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89100061601601	CHEESE GRT3 OZ	X	.	.	X	.	.	.	.	.	.	.	.	.	.	.
89100078233161	SOURCRMSXPACKAGE	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.

COMBINED	STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE															
			NDS	NNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SDB	SDQ	SDU	SMS	SRS	
	89100078237651	CHEESE GRT1 LB CO																
	891000A3440051	MILK EVAPORATED SMAL															X	
	891000A3440151	MILK EVAPORATED TALL															X	
	891000A3700041	MILK EVAPORATED TALL															X	
	891000A3700081	MILK EVAPORATED BABY															X	
	89150008101201	BEANKONY 22 LB BAG															X	
	89150008516501	JCEGRPTS3 #3 CYL CAN	X			X	X		X	X							X	X
	89150012718791	BLUBERY 10#10 CAN					X		X								X	
	89150012792851	PEAS 303 #303 CAN					X		X								X	
	89150012796771	POT WH 10 #10 CAN					X		X								X	
	89150013263481	APPLSE 303#303 CAN					X		X								X	
	89150014108331	JCEGRFT053#3 CYL CAN					X		X								X	
	89150014667131	BEANKON303#303 CAN		X													X	
	89150014915711	GARLICDEHY12 OZGL JR	X														X	
	89150017049381	BEANPINILB1 LB CO				X	X											
	89150018371351	JCEA51/4-65 1/4-6 OZ															X	
	89150018456011	BEANS/PORK#10 CAN				X	X											
	89150020509371	JCE051/4-65 1/4-6 OZ				X											X	
	89150020509381	JCEPINEAPLS-1/2-6FLZ	X				X											
	89150020509391	PEARS 82TL8-3/4 OZ																
	89150022358001	JCEG51/4-65-1/4-6FLZ		X	X												X	
	89150024128001	JUCEORNG #3 CYL CAN	X						X	X							X	X
	89150024948731	PEPRS SWT #303 CAN	X															
	89150025180681	CRNBRYJ300#300 CAN	X	X		X	X										X	
	8915002505231	JUICETOM#3#3 CYL CAN	X			X	X		X									
	89150025679931	JUICE VEG 5-1/2-8 OZ	X															
	89150025739521	CORNCRM303#303 CAN								X	X						X	X
	89150028118091	JUCE GRP 3#3 CYL CAN	X	X							X	X					X	X
	89150028525461	SPINACH303#303 CAN																
	89150028654831	FRICKT21/2#2 1/2 CAN				X												
	89150058427951	PCHSHF21/2#2 1/2 CAN									X	X					X	X
	89150058427961	PCHSSL21/2#2 1/2 CAN									X	X					X	X
	89150061601961	BEANBLKEYEDRY.1 LBCO					X										X	X
	89150061602241	PEARHF21/2#2 1/2 CAN								X								
	89150061648161	BEANWAX303#303 CAN									X							
	89150061648171	BEANGR 303#303 CAN				X						X					X	X
	89150078263651	BEANSTOMSC#3 CYL CAN				X						X					X	
	89150085165641	CRNBRYJW10#10 CAN					X					X					X	
	89150092667701	CORWH2/3032VAC/303CN								X			X					
	89150092667931	BEANKONY10#10 CAN				X	X		X	X							X	
	891500A0421561	WAX BEANS CUT #303 C															X	
	891500A0427721	POTATOES SLCD WHITE															X	
	891500A0427841	POTATOES SM WHOLE WH															X	
	891500A0480051	BEANS, CHILI MEXICAN															X	
	891500A0775401	BEANS BUTTER NO.300															X	
	891500A0851571	VEG POTATOES SHOESTR															X	
	891500A0855361	CHERRIES MARASCHINO															X	
	891500A0970441	PORK & BEANS 16 OZ C															X	
	891500A1281481	JUICE LEMON 4-1/2 OZ															X	
	891500A1281531	JUICE LIME 8 OZ REAL															X	
	891500A1343601	BEANS RED KIDNEY BEA															X	
	891500A1680161	JUICE APPLE 5 1/2 OZ															X	
	891500A1681211	APPLE SAUCE 24 OZ CH															X	

COMBINED PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	MWS	NDS	NPS	NRS	NVS	NXS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
WAREHOUSE															
891500A2641051	LENTILS DRY 12 OZ HU	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2941551	FRUIT COCKTAIL 24-30	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2941601	FRUIT COCKTAIL 24-17	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2941651	FRUIT COCKTAIL 24-8	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2942001	PEACHS Y.C. SLICED 2	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2942101	PEACHS Y.C. SLICED 2	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2942501	PEARS HALVES 24-29 O	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2943631	TROPICAL FRUIT SALAD	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2945371	RAISINS SEEDLESS 24-	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2947051	BEANS CUT GRN-BLUE L	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2947251	BEANS SEASON SLICE 2	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2947401	BEANS LIMA 24-17 O13	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2947951	CORN GRM STYLE GOLDE	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2948501	PEAS EG BLENDED 24-1	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2949301	VEG TOMATOE PEEL 24-	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2949551	TOMATO PASTE 48-6 Z	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A3281021	BIG JOHN'S BEANS'N F	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A3282251	PASTE TOMATO 96/6 OZ	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A3282301	PUREE TOMATO PIC 10-	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A3284451	PUREE TOMATO 24/15 O	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A3410281	APPLESAUCE 35 OZ MOT	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A3485791	JUICE TOMATO 12/46 O	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A3486631	JUICE ORANGE UNSWTN	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A3640641	YAMS LOUISIANA NR 3	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A3700401	TOMATO PASTE 6 OZ CN	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A3701631	TOMATOES STEWED 14.5	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A3702251	TOMATOES SOLID PK RN	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A4210121	PINEAPPLE FANCY SLIC	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A4210961	JUICE PINEAPPLE FANC	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A4220521	PEAS EARLY JUNE 3 SV	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A4221241	CORN WHITE SHOE PEG	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A4790441	MUSHROOMS STEMS/PCS	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A4790481	MUSHROOMS FANCY SLIC	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A4790761	MUSHROOMS FANCY BUTT	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89200006761461	MACARONI 10 LB BX	X	X	X	X	X	X	X	X	X	X	X	X	X	X
89200011884621	CRLSHWHTB1500R70INDV	X	X	X	X	X	X	X	X	X	X	X	X	X	X
89200012594411	SPAGHETTI 1010 LBS	X	X	X	X	X	X	X	X	X	X	X	X	X	X
89200012633881	NOODLES5LB5 LBS	X	X	X	X	X	X	X	X	X	X	X	X	X	X
89200012789381	CRLBRANFLK500R70INDV	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8920001279771	HOMINYWHL#2 1/2 CAN	X	X	X	X	X	X	X	X	X	X	X	X	X	X
89200013277821	CEREALASST700R100IND	X	X	X	X	X	X	X	X	X	X	X	X	X	X
89200014077481	FLRWT10LB 10 LB BG	X	X	X	X	X	X	X	X	X	X	X	X	X	X
89200014077491	FLRWT50LB 50 LB BG	X	X	X	X	X	X	X	X	X	X	X	X	X	X
89200016061651	STRCHEDCRN1 LB	X	X	X	X	X	X	X	X	X	X	X	X	X	X
89200016404481	CRLBRFW/RS500R70INDV	X	X	X	X	X	X	X	X	X	X	X	X	X	X
89200016568631	FLRWHTB 1010 LB BG	X	X	X	X	X	X	X	X	X	X	X	X	X	X
89200016568641	FLRWHTB 5050 LB BG	X	X	X	X	X	X	X	X	X	X	X	X	X	X
89200016832961	COOKYMXCHD#10 CAN	X	X	X	X	X	X	X	X	X	X	X	X	X	X
89200017504291	COOKYMXSUG#10 CAN	X	X	X	X	X	X	X	X	X	X	X	X	X	X
89200022206011	NODLECHWMN#10 CAN	X	X	X	X	X	X	X	X	X	X	X	X	X	X
89200022819481	CUP ICECRMUCUP	X	X	X	X	X	X	X	X	X	X	X	X	X	X
89200023899701	FRY MIX BRBAG	X	X	X	X	X	X	X	X	X	X	X	X	X	X

PROCUREMENT CYCLE

ITEM NOMENCLATURE

[illegible]

COMBINED			PROCUREMENT CYCLE			WAREHOUSE										
STOCK NUMBER	ITEM NOMENCLATURE	NDS	NNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SDB	SDO	SDU	SMS	SRS
892000A1336141	CRACKERS CHEEZ-IT 16	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1336451	CRACKERS KRISPY 8 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1500031	CRACKERS BACON FLAVO	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1500091	CRACKERS CHICKEN IN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1500371	CRACKERS CHICKEN IN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1500961	COOKIE ASSORTMENT FA	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1501231	CRACKERS GRAHAM 16 O	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1501861	CRACKERS SALTINES PR	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1502251	CRACKERS RITZ 12 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1502431	CRACKERS SOCIABLES 8	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1502851	COOKIES NILLA WAFERS	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1502921	CRACKERS WHEAT THINS	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1541851	MX NUT BREAD QUICK 1	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1542651	MX BROWNIE WALNUT 23	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1542801	MX HOT ROLL 13.75 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1543151	FLOUR PILLSBURY BEST	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1543601	MX CORN BREAD 19 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A1960421	RICE MIX LONG GRAIN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A2160061	CEREAL WHEAT GERM 12	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A2181371	RICE PLUMP TENDER GR	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A2182031	RICE BLUE ROSE 10 LB	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A2234071	COOKIES RICH' CHIPS	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A2234241	CRACKERS CLUB SPRAYE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A2234291	CRACKERS TOWN HOUSE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A2234401	SALTINES ZESTA 16 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A2234781	COOKIES PECAN SANDIE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A2820201	CEREAL WHEAT CHEX 15	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A3950381	BREAD CRUMBS FLAVORE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A3950401	MACRONI VERMICELLI 1	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A3952001	RIGOLETTI (ROTINI) 1	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A3952451	LASAGNE RIBBED 1 LB	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A3953351	NOODLES EGG MED.FLUF	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892000A4921551	CUP O'NOODLES SHRIMP	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89250012594541	MOLASSES #2 1/2 CAN	X	.	.	X	.	X	X	X	.	.	.	.	.	.	.
89250012805651	NUTSMXSHL#10 CAN	X	.	X	X	.	X	X	X	.	.	.	.	.	.	.
89250022206251	COCONUT #3/3 CYL CAN	X	X	X	X	.	X	X	X	.	.	.	.	.	.	.
89250025259501	WALNUTS 1 LB	X	.	.	.	.	.	.	X	.	.	.	.	.	.	.
89250025638141	PECANS 1 LB CAN	X	.	.	X	.	X	.	.	.	.	.	.	.	.	.
89250061601851	CHOGLTS#10/10 CAN	X	.	.	X	.	X	.	.	.	.	.	.	.	.	.
89250068267051	SYRUP #10 #10 CAN	X	X	.	.	.	.	.	X	X	.	.	.	.	.	.
89250068267081	SYRUP2 1-2#2 1/2 CAN	.	X	X	X	.	X	X	X	X	.	.	.	X	.	.
89250078233181	CHUCKK120212 OZ	.	X	.	X	.	X	.	.	.	.	.	.	.	X	X
89250093532601	ICING MX C#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
89250093532611	ICING MX V#10 CAN	.	.	.	.	.	.	.	.	X	.	.	.	.	X	.
89250096515521	MARSHMALLO1 LB CO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892500A0482581	SALTED SUNFLOWER NUT	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
892500A0552681	SYRUP CHOCOLATE 16 O	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
892500A0870081	SYRUP 24 OZ AUNT JEM	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
892500A1284801	MARSHMALLOWS WHITE E	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
892500A1410251	SYRUP PANCAKE 24 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
892500A1660301	HONEY 1 LB CLOVER NR	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
892500A1661101	HONEY SPUN 1 LB NR 3	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
892500A2631721	GUM CHWNG CINNAMON 3	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.

COMBINED PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	MWS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SDB	SDQ	SDU	SMS	SRS
892500A3310251	TOPPING 7 1/2 OZ MAR	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
892500A3610911	NUTS WALNUT ENGLISH	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893000A5437602	PNUTBTS2LB#2 1/2 CAN	X	.	.	.	.	.	.	.	X	.	.	.	.	.	.
893000A0115341	PEANUT BUTTER CHUNK	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.
893000A0310101	JELLY GRAPE 20 OZ 50	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893000A0310251	JAM GRAPE 20 OZ 511-	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893000A0492381	PEANUT BUTTER CRUNCH	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893000A1180441	PEANUT BUTTER SMOOTH	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893000A3250471	PRESERVES GRAPE JAM	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893000A3251031	PRESERVES CHERRY RED	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893000A3251301	PRESERVES STRWBRY JA	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893000A4813151	PRESERVES PEACH 18 O	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893000A4813201	PRESERVES PINEAPPLE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
893000A4814691	JELLY APPLE 18 OZ #5	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89350023462171	SOUPBASEB#2 1/2 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	X	.
89350041943221	SUPCBARW/B#3 CYL CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89350048045501	SUPCBN/RAC#3 CYL CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89350048045521	SUPCNBFDL#3 CYL CAN	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89350048045531	SUPCNCNDL#3 CYL CAN	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89350048045541	SUPCNCNHW/R#3 CYL CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89350048045551	SUPCNCNCH#3 CYL CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89350048045561	SUPCNCNCR/MU#3 CYL CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89350048045591	SUPCNSPPEA#3 CYL CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89350048045601	SUPCNCNMINST#3 CYL CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89350048045611	SUPCN TOM #3 CYL CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89350048045641	SUPCVEGW/B#3 CYL CAN	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89350048045651	CLAMCHOWNY#3 CYL CAN	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89350054377891	SUPBASECHK2 1/2 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
893500A0970031	SOUP COND TOMATO NO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
893500A0970091	SOUP COND CREAM OF C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
893500A0970251	SOUP COND VEGETABLE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
893500A0970271	SOUP COND BEEF NOLE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
893500A0970391	SOUP COND CHICKEN NO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
893500A0970451	SOUP COND CHKN & STA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
893500A0970511	SOUP COND MINESTRONE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
893500A0970541	SOUP COND CREAM OF M	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
893500A0970601	SOUP COND TURKEY NOO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
893500A0970661	SOUP COND VEG BEEF N	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
893500A0970811	SOUP COND TOMATO RIC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
893500A0971081	SOUP COND CONSOMME N	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
893500A1283841	BOUILLON INSTANT BEE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400012633941	CHILLI/DBN6.75 LBS	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400013186911	DESSERTBTR#10 CN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400014871421	HASHCRNDBF#10 CN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400045130231	PIFILLPREL#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400047890731	PIEFILLBLU#10 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400048045361	TOPICRMB/S#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400048045381	TOPICRMSTW#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400048045481	RAVIOLI #10 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400048045491	TAMALES BF#10 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400061602261	PIEFILLAPL#10 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400061602271	PIEFILLCHR#10 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400061602281	PIEFILLPCH#10 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.

COMBINED PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	MNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
89400064189611	DESSERTCHER#2 1/2 CAN	X	.	X	.	.	.	.	.	.	.	.	.	.	.	X
89400064189621	DESSERTLEW#2 1/2 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	X	.
89400064189631	DESSERTLIME#2 1/2 CAN	X	.	X	.	X	.	.	.	.	.	.	.	.	X	.
89400064189641	DESSERTORNG#2 1/2 CAN	X	X	X	.	.	.	.	.	X	X	.	.	.	.	X
89400064189651	DESSERTRASP#2 1/2 CAN	X	.	.	.	.	.	.	.	X	X	.	.	.	X	.
89400064189661	DESSERTSTRW#2 1/2 CAN	X	.	X	.	.	.	.	.	X	X	.	.	.	.	X
89400068266091	POPCORN 10 OZ CAN	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.
89400078229701	PIEFILLAPL# 2 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8940008937361	TOPPING 1 LB	X	X	.	X	X	X	.	.	X	X	.	.	.	X	.
894000A0050201	RAVIOLI BEEF 2 1/2 L	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0050711	SPAGHETTI & MEAT BAL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0052081	POPCORN W/BUTTER 4.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0052091	COATING VEGETABLE SP	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0054941	RAVIOLI BEEF 15 OZ C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0150201	GRAVY MIX BROWN 0.87	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0500081	NOODLES ROMANOFF 5.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0500991	MX FROSTING SR CR CH	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0501021	MX FROSTING FLUFFY W	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0501621	MIX FROSTING INST CO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0581211	GELATIN RED FLAVOR A	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0582241	PUDNG LEMON 3 3/4 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0586201	PUDDING CHOCOLATE &	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0586251	PUDDING VANILLA 3 1/	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0840101	CHILI CON CARNE W/BE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0840551	BEEF STEW 1.5 LB #21	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0840701	HASH CORNED BEEF 15	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0840751	NOODLES N-BEEF 7.52	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0840861	BEANS-N HAM 7.52 SHO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0842041	LASAGNA 7.5 OZ #1465	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0970301	SPAGHETTI'S 14-3/4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0970411	SPAG W/TOM SCE W/CHS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0970741	SPAGHETTI W/MEAT BAL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0971161	GRAVY BEEF 10-1/4 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0972121	CHICKEN A LA KING 10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A0975001	GRAVY MUSHRM 10-1/2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A1090151	BFD STRND VEG & BACO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A1090241	BFD STRND CHN NOODLE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A1090401	BFD STRND TURKEY RIC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A1090451	BFD STRND CARROTS 4.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A1090541	BFD STRND MX VEG 4.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A1090571	BFD STRND PEAS 4.5-4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A1090601	BFD STRND SQUASH 4.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A1090631	BFD STRND SWEET POTA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A1090661	BFD STRND GARDEN VEG	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A1090751	BFD STRND APPLESauce	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A1090781	BFD STRND PEARS & PI	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A1090801	BFD JUN PEACH COBBLE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A1090831	BFD STRND JUICE APPL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A1090841	BFD STRND PEARS 4.5-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A1090861	BFD STRND JUICE ORAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A1090871	BFD STRND BANANAS W/	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A1090881	BFD STRND JUICE APPL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A1090911	BFD STRND JUICE ORAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

COMBINED		PROCUREMENT CYCLE		WAREHOUSE											
STOCK NUMBER	ITEM NOMENCLATURE	NDS	NNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SD9	SDU	SMS SRS
894000A1090951	BFD STRND JUICE APPL	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A1090981	BFD STRND JUICE APPL	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A1090991	BFD STRND JUICE W/TA	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A1091001	BFD STRND JUICE APPL	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A1091051	BFD STRND DUTCH APPL	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A1091261	BFD STRND CRL RICE W	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A1091321	BFD STRND OATML W/AP	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A1092011	BFD JUN PEACHES 7.5-	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A1092221	BFD JUN APRICOTS W/T	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A1092341	BFD JUN BAN W/P-APLE	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A1093421	BFD CEREAL OATMEAL 8	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A1093451	BFD CEREAL RICE 8 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A1094291	BFD OATMEAL W/BANANA	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A1350061	PLAIN GELATINE 4 ENV	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A1350121	SALAD DRESSING LITE	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A1350241	SALAD DRESSING LITE	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A1350311	SALAD DRESSING LITE	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A1680101	CHERRY PIE FILLING I	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A1990091	SAUCE GRAVY&SEASNG M	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A1990281	SAUCE GRAVY&SEASNG M	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A1990781	GRAVY SCE&SEASNG MX	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A2940601	FRUIT CUP DICE PEACH	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A2940651	FRUIT CUP MX FRUIT 1	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A2940851	PUDDING CUP CHOC FUD	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A3030301	BFD FORMULA LIQ CONC	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A3180601	BFD FORM CONC/LIQ W/	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A3180811	BFD FORMULA CONC/LIQ	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A3180951	BFD R-T-F LIQ 32 Z W	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A3251121	TOPPING ICE CRM CHOC	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A3480041	BEEF BARBECUE SAUCE	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A3480141	BEEF STEW 12/24 OZ N	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A4160251	DNR RICE-A-RONI CHIC	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A4160301	DNR RICE-A-RONI BEEF	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A4160471	DNR WILD RICE-A-RONI	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A4160551	DNR RICE-A-RONI FRIE	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A4810511	DINNER MACARONI 7.25	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A4811491	DINNER NOODLES W/CHE	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000A4812371	SALAD DRESSING LOW C	.	.	.	.	.	.	.	.	.	.	.	X	.	.
894000L0191301	BACON RINDS FR FRIED	X	.	X	X	.	.	.	.	.	.	.	X	.	.
89450008093961	SHORTNGS6A5 GALLON	X	.	X	X	.	.	.	.	.	.	.	X	.	.
894500G1600811	SALADOIL 1G1 GALLON	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89450089017761	SHORTENINGS QT CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894500A0110181	OIL CORN 1-1/2 QUART	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894500A0490071	SHORTENING 1 LB. CRI	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894500A0490141	SHORTENING 12/3 LB.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894500A0780391	SHORTENING PRE-CREAM	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894500A3280251	OIL 15/LGE 24 Z #612	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894500A3282411	OIL GALLON PASTIC BT	.	.	.	.	.	.	.	.	.	.	.	.	.	.
895000012563331	POWDFR BKG1 LB	X	.	.	.	.	.	.	.	.	.	.	X	.	.
895000012780471	1-2 OZ CO	X	.	.	.	.	.	.	.	.	.	.	X	.	.
895000012780491	CINNAMONGR1 LB CN	X	.	.	.	.	.	.	.	.	.	.	X	.	.
895000012780671	PEPRGRD 1#1 LB CAN	X	.	.	.	.	.	.	.	.	.	.	X	.	.

COMBINED	STOCK NUMBER	PROCUREMENT CYCLE	ITEM NOMENCLATURE	WAREHOUSE											
				NDS	NNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SDS	SMS
	89500012788821		FLAVLEM8028 FLUID OZ											X	
	89500012789191		SALDRSG GA1 GALLON	X											
	89500012789411		FLAVVAN8028 FLUID OZ			X								X	
	89500012797461		PIKLSWT 10#10 CAN	X	X							X			
	89500012797901		CATSUP140214 OZ BTL			X								X	
	89500012804351		CHILI PWDR4 OZ GL BT				X								
	89500012805421		PIKLDLCQT1 QT JAR											X	
	89500017095581		POULTRYSEA3-4 OZ CN	X											
	89500017095651		PEPPRCAYGR1-2 OZ CO	X											
	89500017095731		CINNAMON 3-4 OZ CN				X								
	89500020509361		SALDRSG2.5#2 1/2 CAN		X								X		
	89500029296111		SODA BKG 1 LB	X	X	X									X
	89500048905461		PEPRPKL 10#10 CAN	X											
	89500054376981		MUSTRD21/2#2 1/2 CAN	X	X	X									
	89500057745941		SALDRSG QT1 QUART JR									X			
	89500058214021		OREGANO 1-2 OZ CO			X								X	
	89500061645131		FDCOLRASSTASSORTMENT		X										
	89500061654831		THYME 1-2 OZ CO											X	
	89500061654841		GINGRGR3-43-4 OZ CO				X								
	89500061654891		CURRY PWDR1-2 OZ CO											X	
	89500075329621		CHILI PWDR1 LB GL BT	X										X	
	89500075363691		ANTIOXIDNTJAR	X											
	89500078267021		FLVRIMVANL32FLUID OZ											X	
	89500088968891		RELISH PT 1 PT JR											X	
	89500093532541		SOY SAUCE 16FLUID OZ											X	
	89500093564091		CONDPKTGRNPACKET	X											X
	895000A0050431		SPAGHETTI SAUCE W/ME											X	
	895000A0156251		FLAKES PARSLEY DEHYD											X	
	895000A0403641		OLIVES MANZANILLAS S											X	
	895000A0404381		OLIVES MANZ STUFF TH											X	
	895000A0584311		BARBECUE SAUCE 1B OZ											X	
	895000A0981031		PICKLES SWEET 22 OZ											X	
	895000A0981231		RELISH INDIA 9-3/4/1											X	
	895000A0981361		SAUCE STEAK NO. 57 1											X	
	895000A0981651		VINEGAR CIDER QUART											X	
	895000A0984301		CHILI SAUCE 12 OZ HE											X	
	895000A0984371		VINEGAR WHITE QUART											X	
	895000A0984401		PICKLES DILLS PROCES											X	
	895000A1350181		SALAD DRESSING ITALI											X	
	895000A1350541		SALAD DRESSING DELUX											X	
	895000A1800091		HOT SAUCE 2 OZ TABAS											X	
	895000A1900431		MUSTARD CREAM SALAD											X	
	895000A1991161		SAUCE CHILLO 1 3/4 O											X	
	895000A1991201		SCE MX SOUR CREAM 1.											X	
	895000A1992321		MIX GRAVY SLOPPY JOE											X	
	895000A2190041		ENCHILADA SAUCE MILD											X	
	895000A2310141		SALT IODIZED 26 OZ D											X	
	895000A2943601		SWEET RELISH 12-12 O											X	
	895000A3281651		SAUCE TOMATO 72/8 8											X	
	895000A3281701		SAUCE TOMATO #300 15											X	
	895000A3430081		SALT IODIZED 26 OZ.											X	
	895000A3640951		PEPPERS TORRIDO HOT											X	

COMBINED PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	MNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SDS	SDO	SMS	SRS
895000A4140181	SPAGHETTI SCE MIX W/	.	.	.	.	.	.	.	.	.	.	.	X	.	.
895000A4380251	SOY SAUCE 12/10 OZ.B	.	.	.	.	.	.	.	.	.	.	.	X	.	.
895000A4510351	SAUCE SPAGHETTI W/ME	.	.	.	.	.	.	.	.	.	.	.	X	.	.
895000A4813321	MUSTARD PLASTIC BT 8	.	.	.	.	.	.	.	.	.	.	.	X	.	.
895000A4814031	SALAD DRESSING CR CU	.	.	.	.	.	.	.	.	.	.	.	X	.	.
895000A4814961	SALAD DRESSING FRENC	.	.	.	.	.	.	.	.	.	.	.	X	.	.
895000A4819801	SALAD DRESSING 1000	.	.	.	.	.	.	.	.	.	.	.	X	.	.
895000A4819881	SALAD DRESSING MIRAC	.	.	.	.	.	.	.	.	.	.	.	X	.	.
895000A5290061	PICKLES KOSHER SPEAR	.	.	.	.	.	.	.	.	.	.	.	X	.	.
895000A5290151	PICKLES KOSHER BABY	.	.	.	.	.	.	.	.	.	.	.	X	.	.
895000A5290331	SAUERKRAUT 32 OZ. VL	.	.	.	.	.	.	.	.	.	.	.	X	.	.
895000A5290581	PICKLES HAMBURGER CH	.	.	.	.	.	.	.	.	.	.	.	X	.	.
895000A5630011	SAUCE PICANTE 8 OZ #	.	.	.	.	.	.	.	.	.	.	.	X	.	.
89550022358061	COCOA 1/CN1 LB	.	.	.	.	.	.	.	.	.	.	.	X	.	.
89550028653681	COFFEE.RST2 LB CAN	.	.	.	.	X	.	.	.	.	.	.	.	X	.
89550028653691	COFFEE.RST3 LB CAN	X	X	X	.	.	.	.	.	.	.	.	.	.	.
89550028653721	COFFEE.RST20 LB CAN	X	X	.	.	.	.	.	.	.	.	.	.	.	.
895500A0140061	COFFEE DRIP 1 LB GRD	.	.	.	.	.	.	.	.	.	.	.	X	.	.
895500A0140221	COFFEE ELEC PERC 3 L	.	.	.	.	.	.	.	.	.	.	.	X	.	.
895500A0151311	TEA BAGS OP&P 100/CA	.	.	.	.	.	.	.	.	.	.	.	X	.	.
895500A0580181	COFFEE REGULAR GRIND	.	.	.	.	.	.	.	.	.	.	.	X	.	.
895500A0584181	COFFEE REGULAR GRIND	.	.	.	.	.	.	.	.	.	.	.	X	.	.
895500A0584191	COFFEE DRIP GRIND 2	.	.	.	.	.	.	.	.	.	.	.	X	.	.
895500A0584351	COFFEE INSTANT 6 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.
895500A0584371	MAXWELL HOUSE INSTAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.
895500A0880721	COFFEE FRZ DRIED DEC	.	.	.	.	.	.	.	.	.	.	.	X	.	.
896000A45882481	BEVBASRTB6 GL YIELD	.	X	.	.	.	.	.	.	.	.	.	.	.	.
896000A0581341	BEV LWDE 30 OZ SUGA	.	.	.	.	.	.	.	.	.	.	.	X	.	.
896000A0581501	BEV STRWBERRY 30 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.
896000A0581551	BEV MIX GRAPE 288 EN	.	.	.	.	.	.	.	.	.	.	.	X	.	.
896000A0581591	BEV MIX STRWBERRY 2	.	.	.	.	.	.	.	.	.	.	.	X	.	.
896000A0581601	BEV MIX RASPBERRY 28	.	.	.	.	.	.	.	.	.	.	.	X	.	.
896000A0880451	DRINK COLD POWR STRA	.	.	.	.	.	.	.	.	.	.	.	X	.	.
896000A1570101	BEVERAGE CHOCOLATE F	.	.	.	.	.	.	.	.	.	.	.	X	.	.
896000A3703261	BREAKFAST INST CHOC	.	.	.	.	.	.	.	.	.	.	.	X	.	.
897500A0530011	CIGARETTES MORE FILT	.	.	.	.	.	.	.	.	.	.	.	.	X	.
897500A0530131	CIGARETTES 20S - 100	.	.	.	.	.	.	.	.	.	.	.	.	X	.
897500A0530201	CIGARETTES 100 S TAX	.	.	.	.	.	.	.	.	.	.	.	.	X	.
897500A0530361	CIGARETTES KING-SIZE	.	.	.	.	.	.	.	.	.	.	.	.	X	.
897500A0531141	CIGARETTES CAMEL FIL	.	.	.	.	.	.	.	.	.	.	.	.	X	.
897500A1750191	CIGARETTES 100S FILT	.	.	.	.	.	.	.	.	.	.	.	.	X	.
897500A1750241	CIGARETTES FILTER LO	.	.	.	.	.	.	.	.	.	.	.	.	X	.
897500A1750301	CIGARETTES SF PK KING	.	.	.	.	.	.	.	.	.	.	.	.	X	.
897500A1750411	CIGARETTES FILTER KI	.	.	.	.	.	.	.	.	.	.	.	.	X	.
897500A1750931	CIGARETTES FILTER 10	.	.	.	.	.	.	.	.	.	.	.	.	X	.
897500A1751741	CIGARETTES KING SZ S	.	.	.	.	.	.	.	.	.	.	.	.	X	.

LAST PC	PROCUREMENT CYCLE	STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE											SRS			
				NDS	NNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8		SDQ	SDU	SMS
		793000A4683041	WINDOW CLEANER AERO	.	.	.	.	.	.	.	.	.	.	.	X	.	.	X
		89050026700401	TUNA 6.5-76.5-7 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
		89050058213431	SARDINES CAN	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
		891000A1282441	CREMORA NON-DAIRY CR	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		89150008516501	JCEGRPTS3 #3 CYL CAN	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.
		89150012796771	POT WH 10 #10 CAN	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
		89150014108331	JCEGRFTOS3 #3 CYL CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89150017049381	BEANPINLB1 LB CO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89150020509371	JCE051/4-65 1/4-6 OZ	.	.	.	X	.	.	.	.	.	.	.	X	.	.	.
		89150020509381	JCEPINEAPLS-1/2-6FLZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89150024128001	JUCEORNG #3 CYL CAN	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.
		89150028654831	FRICKT21/2#2 1/2 CAN	.	.	.	.	X	.	.	.	.	.	.	X	.	.	.
		89150061602241	PEARHF21/2#2 1/2 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89150061648171	BEANGR 303#303 CAN	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.
		89150092667931	BEANKDNY10#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
		891500A0429681	CARROTS WHOLE SMALL	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
		891500A0850911	BEANS GREEN WHLE NO	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		891500A2948651	PEAS & CARROTS 24-16	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		891500A2949101	SPINACH LEAF 24-15 O	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		89200012797771	HOMINYHOL#2 1/2 CAN	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.
		89200016061651	STRCHEDCRN1 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89200017111521	CRLSHWH#1550 INDSEV	X	.	.	.	.	.	.	.	.	.	.	.	X	.	.
		89200017504291	COOKYMXSUG#10 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		892000A3549181	CORNBDMIX#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89200093532621	BRWNXCHOC#10 CAN	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.
		892000A0961081	NOODLES EGG FINE 12	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		892000A3950301	SPAGHETTI 1 LB LA RO	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		892000A3950951	MACORONI ELBOW 16 Z	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		89250012805651	NUTSMXSHL#10 CAN	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
		89250093532611	ICING MX V#10 CAN	X	.	.	.	.	.	.	X	.	.	.	.	.	.	.
		89350023462171	SOUPBASEBF#2 1/2 CAN	.	.	.	.	X	.	.	.	.	.	.	X	.	.	.
		893500A48045551	SUPCNCRMCH#3 CYL CAN	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
		893500A48045611	SUPCN TOM #3 CYL CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		894000A1090481	BFD STRND GREEN BEAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		894000A1091021	BFD STRND FR DES 4.5	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		894000A1542281	FRSTNG MLK CHOC SUPR	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		894000A1543271	FRSTNG STRWBERRY 16.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		89450061600821	SALDOIL10T1 QUART CN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
		89500054376981	MUSTRD21/2#2 1/2 CAN	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.
		895000A0421201	OLIVES RIPE X-LG PIT	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
		895000A3280161	KETCHUP TOMATO 32 OZ	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
		895500A0140201	COFFEE REGULAR 3 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.

LAST YEAR PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	INS	NOS	NPS	NRS	NVS	NXS	N7S	SAS	SBS	SDB	SDD	SDU	SMS	SR3
735000A3981351	PLATES WHI DEEP DISH	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
871000A1900521	PET FOOD TUNA N CHIC	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89050012879141	CLAMS CND 49 OR 510Z	.	X	X	.	.	.	.	.	.	.	.	.	.	.	.
89050064189411	TUNA12 50Z12 5-13 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
89100078237651	CHEESE GRT1 LB CO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150017049381	BEANPIN1LB1 LB CO	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89150018371351	JCEA51/4-65 1/4-6 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150018456011	BEANS/PORK#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150020509371	JCE051/4-65 1/4-6 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150022360901	JCE151/4-65 1/4-6 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150024656341	CRNBRY WHL#300 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150025180681	CRNBRYJ300#300 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150025505231	JUICETOM#3#3 CYL CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150025739521	CORNCRM303#303 CAN	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89150058427951	PCHSHF21/2#2 1/2 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150061602241	PEARHF21/2#2 1/2 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150061648161	BEANWAX303#303 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150078263651	BEANSTOMSC#3 CYL CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150085165641	CRNBRYJ#10#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150092667931	BEANKDNY10#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A0800061	CRANBERRY SAUCE JELL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A0800121	CRANBERRY SAUCE WHOL	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500A4222011	SALAD 3-BEAN 12/17 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
891500J9007341	JUICE APPLE 12/46 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200006761461	MACARONI 10 LB BX	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200014077491	FLRWT50LB 50 LB BG	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200016568631	FLRWHB 1010 LB BG	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200043549181	CORNBRODIX#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200053021851	RICE 10LBS10 LB BAG	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200078263531	PANCKMXWHT#10 CAN	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
89200082372271	CAKEMTX WH5 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200092615391	SWIDDOUGHMX#10 CAN	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.
89200092660161	BISCMIX#10#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200092660181	DONUT MIX #10 CAN	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89200093532621	BRWNMXCHOC#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89200093532631	BRWNMXB/S#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
892000L0991201	STUFFING HERB SEASON	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89250012640241	CANDY HARD3 LB CN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89250012805651	NUTSMXSHEL#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89250068267051	SYRUP #10 #10 CAN	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
89350048045541	SUPCNCWH/R#3 CYL CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400012633941	CHILLW/OBN6.75 LBS	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89400047890731	PIEFILLBLU#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400048045481	RAVIOLI #10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400048045491	TAMALES BF#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400061602261	PIEFILLAPL#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400061602271	PIEFILLCHR#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400061602281	PIEFILLPCH#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400064189621	DESSRTCHER#2 1/2 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89400064189631	DESSRTLEMN#2 1/2 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A1090941	BFD STRND JUICE FRUIT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
894000A1091411	RFD JUN VEG & CHICKE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

LAST YEAR	PROCUREMENT CYCLE	STOCK NUMBER	ITEM NOMENCLATURE	WAREHOUSE													
				NDS	NNS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SDB	SDQ	SDU	SMS	SRS
		894000A2701481	POPCORN YELLOW 2 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89500012797901	CATSUP140214 OZ BTL	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89500029296111	SODA BKG 1 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89500057745941	SALDRSG QT1 QUART JR	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89500058214021	OREGANO 1-2 OZ CO	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A3284111	SAUCE TOMATO W/MUSHR	X	.	.	.	.	.	.	.	.	.	.	.	.	.
		895000A4814741	MAYONNAISE REAL 32 O	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89550028653721	COFFEE.RST20 LB CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89600055949141	COCBEVPWDLB	.	.	.	.	.	.	.	.	.	.	.	.	.	.

AR1 LAG PROCUREMENT CYCLE

STOCK NUMBER	ITEM NOMENCLATURE	NDS	NMS	NOS	NPS	NRS	NVS	NXS	NZS	SAS	SBS	SD8	SDQ	SDU	SMS	SRS
684000A0710161	DEODORANT FLORAL SAC	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
735000A0540521	PAP PLATES 2 PLY H-C	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
79200085105761	SPONGE CELLULOSE 7-3	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0491641	CLEANER GIANT 54 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0491761	CLEANER GIANT 28 FL.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
793000A0710301	FLOOR WAX 27 OZ #001	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
851000A0490451	SHAMPOO TUBE FAMILY	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
851000A4480721	HAIR SPRAY EXTRA HOL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
852000A3230201	LIQUID BUBBLE BATH F	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A0580241	DOG FOOD DRY 5 LB GA	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A0581021	DOG FOOD DRY BURGERS	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A1120401	DOG FOOD LIVER CHUNK	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
871000A1900961	FOOD PET STEW 14 OZ.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89050026700401	TUNA 6.5-76.5-7 OZ	.	.	X	.	.	.	.	.	X	.	.	.	.	.	.
89050064189411	TUNA12.50Z12.5-13 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
890500A0201321	POTTED MEAT 5-1/2 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A0840121	SPAM DEVILED LUNCHEO	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
890500A4190521	SHRIMP REG SMALL 4-1	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891000A3444271	CREAM SOUR IMITATION	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89150014108331	JCEGRTOS3/3 CYL CAN	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89150014915711	GARLICDEHY12 OZGL JR	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
89150017049381	BEANPIN1LB1 LB CO	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.
89150024656341	CRNBRY WHL#300 CAN	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.
89150025180681	CRNBRYJ300P/300 CAN	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.
89150025505231	JUICETOM#3/3 CYL CAN	.	.	.	.	.	.	X	.	.	.	.	.	.	X	.
89150028525461	SPINACH303/303 CAN	.	.	.	.	.	.	.	.	X	.	.	.	.	.	X
89150028654831	FRCTKT21/2#2 1/2 CAN	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.
89150058427961	PCHSSL21/2#2 1/2 CAN	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.
89150061601961	BEANBLKEYEDRY, 1 LBCO	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
89150061602241	PEARHF21/2#2 1/2 CAN	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
89150078263651	BEANSTOMSC#3 CYL CAN	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.
89150085165641	CRNBRYJ#10#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X
89150092667701	CORWH2/3032VAC/303CN	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.
891500A0053651	GREENS COLLARD W/POR	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A0310671	JUICE TOMATO 32 OZ	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A0311341	JUICE GRAPE 4 5-1/2	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A0421321	GREEN BEANS CUT #303	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A0421441	GREEN BEANS SLCD FRE	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A0425761	TOMATOES DUCHESS CAL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A0851181	CORN WHE KERNEL GOL	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A0853101	FRUIT DRIED RAISINS	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A1344551	YAMS SMALL WHOLE 17	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2640121	BEANS DRY GREAT NORT	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2640301	BEANS BLACK EYES DRY	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2800071	POTATO FLAKES DEHY 8	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2940951	ORANGES MANDARIN 24-	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2944771	JCE PINE/PINK GRPFRU	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2946751	VEG ASPARAGUS ALL GR	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A2948551	PEAS EG BLENDED 24-B	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A3281501	TOMATOES STEWED #300	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A3281681	TOMATOES PLD WHO # 2	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A3281851	TOMATOES PLD ITAL ST	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
891500A3482791	JUICE GRAPFRUIT UNS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X

AR1 LAG	PROCUREMENT CYCLE	STOCK NUMBER	ITEM NOMENCLATURE	NDS	NWS	NOS	NPS	NRS	NVS	WAREHOUSE					SBS	SDB	SDQ	SDU	SMS	SRS
		891500A4210661	PINEAPPLE CRUSHED FA	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		891500A4220601	CORN MEX W.K.W/PEPPE	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		89200012633881	NOODLES5LB5 LBS	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
		89200016061651	STIRCHDCRN1 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89200016832961	COOKYMXCHO#10 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
		89200017504291	COOKYMXSUG#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
		89200043549181	CORNBDMIX#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		89200053021851	RICE 10LBS10 LB BAG	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.
		89200092615391	SWDOUGHMX#10 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
		892000A0420331	RICE EXTRA FANCY BLU	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		892000A0420771	RICE EXTRA LONG GRAI	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		892000A0491081	MUFFIN MIX BLUE BERR	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		892000A0492371	CAKE MIX SWISS CHOC	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		892000A0506251	CEREAL CHEERIOS 15 Z	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		892000A1350661	NOODLES EGG BROAD 1	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		892000A1507221	CEREAL FARINA QUICK	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		892000A1541901	MX BANANA BREAD QUIC	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		892000A1960121	RICE LONG GRAIN 2 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		892000A2230881	COOKIES FIG BARS 15	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		892000A2234021	COOKIES ICED RAISIN	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		892000A3950651	MACRONI SHELLS 1 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		892000A4010121	RICE EXTRA LONG GRAI	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		89250012805651	NUTSMXSHEL#10 CAN	.	.	.	.	.	.	.	X	.	.	.	.	.	X	.	.	.
		89250025259501	WALNUTS 1 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		89250025638141	PECANS 1 LB CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		89250068267051	SYRUP #10 #10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		89250068267081	SYRUP2 1-2#2 1/2 CAN	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89250078233181	CHOCCK120Z12 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		892500A0110521	SYRUP RED LABEL PINT	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		892500A0300121	SYRUP LARGE 24 FL O	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		892500A0400371	COCONUT SHREDDED POL	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		892500A0421361	HONEY PURE 16 OZ KRA	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		892500A0482241	SALTED MX NUT(NO PNT	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		892500A3611261	NUTS ALMOND BLANCHED	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		89300012907951	MARMALADE 2 LB JAR	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		893000A0115261	PEANUT BUTTER CHUNK	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		893500A048045601	SUPCNMINST#3 CYL CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		893500A0970181	SOUP COND VEGETABLE	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		893500A0970991	SOUP COND CHSE CHEDD	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		893500A1350081	SOUP MIX NDL W/REAL	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		893500A1351191	SOUP-CUP-A MIX CREAM	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		89400047890731	PIEFILLBLU#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.
		89400061602261	PIEFILLAPL#10 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89400064189611	DESSRTCHER#2 1/2 CAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		89400088937361	TOPPING 1 LB	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
		894000A0480571	CHILI WITH BEANS 39	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		894000A0482031	TAMALES 15 OZ. GEBHA	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		894000A0581401	GELATIN CHERRY 6 OZ	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		894000A0840801	HASH ROAST BEEF 15 O	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		894000A0970191	BEANS & FRANKS 15-3/	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		894000A1091081	BFD STRND BAN W/P-AP	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		894000A1091891	BFD JUN MIXED VEGETA	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
		894000A1500321	PRETZELS STICKS MR S	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.

PROCUREMENT CYCLE

ITEM NOMENCLATURE

894000A	1990771	SAUCE GRAVY8SEASNG M
894000A	160391	DNR RICE-A-RONI SPAN
894000A	160781	DNR MACARONI & CHEDD
894000A	4810571	DINNER MACARONI DELU
8945006	1600821	SALDOIL1QT1 QUART CN
894500A	3281691	SHORTENING 48 OZ SNO
8950000	12563331	POWDER BKG1 LB
8950000	12797901	CATSUP14OZ14 OZ BTL
8950000	17095651	PEPPRCAYGR1-2 OZ CO
8950000	48905461	PEPPR1KL 10W10 CAN
8950006	1654841	GINGRGR3-43-4 OZ CO
8950000	1516511	SALT GARLIC 3-1/2 OZ
895000A	0580111	BAKING POWDER 7 OZ C
895000A	0381831	PICKLES SWEET CUCUMB
895000A	0381871	PICKLE POLISH STYLE
895000A	0382171	PICKLES KOSHER DILL
895000A	03933931	KETCHUP TOMATOE 14 O
895000A	0384091	PICKLES HAMBURGER DI
895000A	0384391	PICKLES DILL KOSHER
895000A	1991131	SPAGHETTI SAUCE MIX
895000A	4814711	MAYONNAISE REAL 16 O
895000A	45290421	PICKLES SWEET PICKLE
8950000	22358061	COCOA 1#CN1 LB
895000A	48049191	MIX COCOA INSTANT 12
895000A	050484101	MINI-MARSHMALLOW MIX
895000A	05050361	COCOA HERSHEY S INST
895000A	0584171	COFFEE DRIP GRIND 1
895000A	1351121	TEA ICED MIX LEMON F
895000A	3050771	TEA BAGS WITH TAGS 1
895000A	1280571	DRINK MIX ORANGE 3 O
896000A	1284831	DRINK MIX LEMONADE 3
897500A	1750191	CIGARETTES 100S FILT
897500A	1750211	CIGARETTES 100S MENT

WAREHOUSE

[illegible]

Appendix N

Model Test Set Documentation and
Methodology Demonstration

Appendix N

Methodology Demonstration

Description of Forecast Model Development. The subsistence demand data base under this study includes monthly demands recorded from July 1977 to November 1983 (77 months). Over 100 models including autoregressive, moving average, constant mean, single and double exponential models were developed and tested for all subsistence items by warehouse experiencing 48 months of nonzero demand (approximately 4,000). Forecasts were evaluated for lead time demand and procurement cycle demand series (8,000 total series). There were four types of models evaluated:

1. Autoregressive (with and without constant) (included integrated seasonal (lags = 1, 2, 3) and logarithmic and square root transformations (lag = 1))
2. Moving averages (3, 6, 9, 12, 15, 18, 21, 24, and 36 months)
3. Single, Double, and Adaptive Response Rate Single Exponential Smoothing (α = .05, .10, .15, .20, .25, and .30)
4. Naive (last observation, observation 12 months ago)

Autoregressive models were "primed" with the first 24-30 months demand before forecasts were evaluated. Moving averages were generated from month 30 on.

A detailed description of each model is provided in this directory. Due to limited ADP capability, the models were not run simultaneously but grouped into "model test sets" and subsequently, evaluated. An evaluation of each test set and the output for each model for one perishable item/warehouse demand series (pork spareribs at Kaiserslautern) and one semiperishable item/warehouse demand series (50 lb. bags of wheat flour at Germersheim) is included with the formulae for each model in the test sets. The outputs for Model Test Set 1 are included in this Appendix. The outputs for the remaining test sets are available from:

Defense Logistics Agency
Operations Research and Economic Analysis Office
Room 3B330, Cameron Station
Alexandria, VA 22304-6100

Table N-1 summarizes 14 "test sets" of forecasting techniques which were applied to approximately 2,000 perishable and 2,000 semiperishable item/warehouse demand series. Forecasts of lead time demand and procurement cycle demand following the lead time were generated.

Table N-2 describes the notation used in the formulation of the model test sets.

Table N-1

Forecast Model Test Sets

Test Set #	# of Models ¹	Constant in Autoregressions	# of Lags	Independent Variable in Autoregressions	Dependent Variable in Autoregressions	Autoregressive Forecast as a Function of Dependent Variable
1	25	Yes	1,2,3	Monthly Demand	LT/PC Demand	Same
2	25	No	1,2,3	Monthly Demand	LT/PC Demand	Same
3	25	Yes	1,2,3	LT/PC Demand	LT/PC Demand	Same
4	25	Yes	1,2,3	LN ² (Monthly Demand)	LN(LT/PC Demand)	Exponential
5	25	No	1,2,3	LN(Monthly Demand)	LN(LT/PC Demand)	Exponential
6	10	Yes	1	LN(LT/PC Demand)	LN(LT/PC Demand)	Exponential
7	25	Yes	1	6 Month Sum of Demand	LT/PC Demand	Same
8	10	Yes	1	LN(6 Month Sum of Demand)	LN(LT/PC Demand)	Exponential
9	25	Yes	1	Monthly Demand LT/PC Demand LN(Monthly Demand) LN(LT/PC Demand) SQRT ³ (Monthly Demand) SQRT(LT/PC Demand)	LT/PC Demand LT/PC Demand LN(LT/PC Demand) LN(LT/PC Demand) SQRT(LT/PC Demand) SQRT(LT/PC Demand)	Same Same Exponential Exponential Quadratic Quadratic

¹Model test sets 1 through 10 include the current DLA method and four averaging techniques; Global Mean, 6-Month, 12-Month, and 18-Month average. Each test set also includes two naive methods; no change extrapolation and no change from last year extrapolation.

²LN is an acronym for the natural logarithm function ($\log_e X_t$; $e = 2.7128 \dots$).

³SQRT is an acronym for the square root function

Table N-1 (Continued)

Test Set #	# of Models	Constant in Autoregressions	# of Lags	Independent Variable in Autoregressions	Dependent Variable in Autoregressions	Forecast as a Function of Dependent Variable
10	10	No	1	Monthly Demand LT/PC Demand LN(Monthly Demand) LN(LT/PC Demand) SQRT(Monthly Demand) SQRT(LT/PC Demand)	LT/PC Demand LT/PC Demand LN(LT/PC Demand) LN(LT/PC Demand) SQRT(LT/PC Demand) SQRT(LT/PC Demand)	Same Same Exponential Exponential Quadratic Quadratic
11 ⁴	12	N/A	N/A	**Moving Averages**	N/A	N/A
12 ⁵	19	Yes	1	Monthly Demand LT/PC Demand LN(Monthly Demand) LN(LT/PC Demand)	LT/PC Demand LT/PC Demand LN(LT/PC Demand) LN(LT/PC Demand)	Same Same Exponential Exponential
13 ⁵	19	No	1	Monthly Demand LT/PC Demand LN(Monthly Demand) LN(LT/PC Demand)	LT/PC Demand LT/PC Demand LN(LT/PC Demand) LN(LT/PC Demand)	Same Same Exponential Exponential
14 ⁶	25	N/A	N/A	**Exponential** Smoothing (Single, Double and Adaptive)	N/A	N/A

⁴Model test set 11 includes nine averaging techniques: 3, 6, 9, 12, 15, 18, 21, 24, and 36 month simple moving averages, the global mean and the two naive methods.

⁵Model test set 12 and 13 include the current DLA method, four averaging (global mean, 12, 24, and 36 month average), two naive and 12 autoregressive techniques.

⁶Model test set 14 includes the current DLA method, global mean, two naive techniques, and seven single, seven double, and 7 adaptive single smoothing techniques.

Table N-2

NOTATION USED IN THE FORMULATION OF THE MODEL TEST SETS

Monthly
Demands

Jul
77

$X_1 X_2 X_3 \dots X_{30} X_{31} X_{32} X_{33} X_{34} X_{35} X_{36} X_{37} X_{38} X_{39} X_{40} X_{41} X_{42} X_{43} X_{44} X_{45} X_{46} X_{47} X_{48} X_{49} X_{50} X_{51} X_{52} \dots X_{69} X_{70} X_{71} X_{72} X_{73} X_{74} X_{75} X_{76} X_{77}$

Nov
83

Let: t = the last month of observed demand

LT = the leadtime (in months) for an item

PC = the procurement cycle (in months) for an item

X_t = the observed demand in month t

$D_{t,R}$ = total demand over R months including and immediately preceding month t : $\sum_{i=1}^R X_{t+i-R}$

Y_t = $D_{t+LT,LT}$ = the sum of the demands over the leadtime following month t : $Y_t = \sum_{i=1}^{LT} X_{t+i}$

Z_t = $D_{t+LT+PC,PC}$ = the sum of the demands over the procurement cycle after the leadtime following month t : $Z_t = \sum_{i=1}^{PC} X_{t+LT+i}$

ϕ = the number of "lags" used in autoregressive models--the number of demands including and immediately preceding the current demand that is used in the autoregressive models

\hat{Y}_t = forecast for leadtime demand

\hat{Z}_t = forecast for procurement cycle demand

$\epsilon_t = Y_t - \hat{Y}_t$ or $Z_t - \hat{Z}_t$ = residual or error term for leadtime or procurement cycle demand forecasts at month t

Model Test Set #1

<u>Model No.</u>	<u>Model Name</u>	<u>Acronym</u>	<u>Formula</u>
1	Global Mean	GLOB MEAN	$\hat{Y}_t = \frac{LT}{t} \sum_{i=1}^t X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{t} \sum_{i=1}^t X_{t-i+1}$
2	6 Month Moving Average	6-MO AVG	$\hat{Y}_t = \frac{LT}{6} \sum_{i=1}^6 X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{6} \sum_{i=1}^6 X_{t-i+1}$
3	12 Month Moving Average	12-MO AVG	$\hat{Y}_t = \frac{LT}{12} \sum_{i=1}^{12} X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{12} \sum_{i=1}^{12} X_{t-i+1}$
4	18 Month Moving Average	18-MO AVG	$\hat{Y}_t = \frac{LT}{18} \sum_{i=1}^{18} X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{18} \sum_{i=1}^{18} X_{t-i+1}$

Model Test Set #1 (cont'd.)

<u>Model No.</u>	<u>Model Name</u>	<u>Acronym</u>	<u>Formula</u>
5	Last Lead Time or Procurement Cycle Demand	Last LT/PC	$\hat{Y}_t = D_t, LT$
			$\hat{Z}_t = D_t, PC$
6	Lead Time or Procurement Cycle Demand 1 Year Ago	Last Year	$\hat{Y}_t = D_{t-12+LT}, LT$
			$\hat{Z}_t = D_{t-12+LT+PC}, PC$

Model Test Set #1 (cont'd.)

<u>Model No.</u>	<u>Model Name</u>	<u>Acronym</u>	<u>Formula</u>
7	DLA Methods	DLA	<p><u>Perishable Items:</u></p> $\hat{Y}_t = \frac{LT}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ $\hat{Z}_t = \frac{PC}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ <p><u>Semiperishable Items:</u></p> $\hat{Y}_t = LT * \left[(2 S_t - S''_t) + \frac{\alpha}{1-\alpha} (S_t - S''_t) \right]$ $\hat{Z}_t = PC * \left[(2 S_t - S''_t) + \frac{\alpha}{1-\alpha} (S_t - S''_t) \right]$

where S_t is the single exponential smoothed average of monthly demand at time t and S''_t is the double exponential smoothed average of monthly demand at time t . The smoothing parameter α is .10, .15, and .20. The forecast is chosen using the smoothing parameter which results in the least mean absolute deviation over the past data. Note that $2S_t - S''_t$ is the expected value of the demand series at time t and not the true double exponential smoothed forecast one period ahead. See Gardner (1984).

Model Test Set #1 (cont'd.)

<u>Model No.</u>	<u>Model Name</u>	<u>Acronym</u>	<u>Formula</u>
8,14,20	Autoregressive with Constant ($\phi=1,2,3$)	AR1C, AR2C, AR3C	$\hat{Y}_t = \sum_{i=1}^{\phi} a_i D_{t-\phi+i,1} + a_{\phi+1}$ $\hat{Z}_t = \sum_{i=1}^{\phi} b_i D_{t-\phi+i,1} + b_{\phi+1}$
9,15,21	Autoregressive Harmonic with Constant ($\phi=1,2,3$)	AR1C HARM, AR2C HARM, AR3C HARM	$\hat{Y}_t = \sum_{i=1}^{\phi} a_i D_{t-\phi+i,1} + A \sin \left(\frac{\pi}{6} t + \theta \right) + a_{\phi+3}$ $= \sum_{i=1}^{\phi} a_i D_{t-\phi+i,1} + a_{\phi+1} \sin \frac{\pi}{6} t + a_{\phi+2} \cos \frac{\pi}{6} t + a_{\phi+3}$ $\hat{Z}_t = \sum_{i=1}^{\phi} b_i D_{t-\phi+i,1} + b_{\phi+1} \sin \frac{\pi}{6} t + b_{\phi+2} \cos \frac{\pi}{6} t + b_{\phi+3}$

Model Test Set #1 (cont'd.)

<u>Model No.</u>	<u>Model Name</u>	<u>Acronym</u>	<u>Formula</u>
10,16,22	Autoregressive Lag Seasonal with Constant ($\phi = 1,2,3$)	AR1C LAG, AR2C LAG, AR3C LAG	$\hat{Y}_t = \sum_{i=1}^{\phi} a_i D_{t-\phi+i,1} + a_{\phi+1} * D_{t-12+LT,LT} + a_{\phi+2}$ $\hat{Z}_t = \sum_{i=1}^{\phi} b_i D_{t-\phi+i,1} + b_{\phi+1} * D_{t-12+LT+PC,PC} + b_{\phi+2}$
11,17,23	Integrated Autoregressive with Constant ($\phi = 1,2,3$)	IAR1C, IAR2C, IAR3C	$\hat{Y}_t = \sum_{i=1}^{\phi} a_i (D_{t-\phi+i,1} - D_{t-\phi+i-1,1}) + a_{\phi+1} + D_{t,LT}$ $\hat{Z}_t = \sum_{i=1}^{\phi} b_i (D_{t-\phi+i,1} - D_{t-\phi+i-1,1}) + b_{\phi+1} + D_{t,PC}$

Model Test Set #1 (cont'd.)

Model No.	Model Name	Acronym	Formula
12,18,24	Integrated Autoregressive Harmonic with Constant ($\phi = 1,2,3$)	IAR1C HARM, IAR2C HARM, IAR3C HARM	$\hat{Y}_t = \sum_{i=1}^{\phi} a_i (D_{t-\phi+i,1} - D_{t-\phi+i-1,1}) + a_{\phi+1} \sin \frac{\pi}{6} t$ $+ a_{\phi+2} \cos \frac{\pi}{6} t + a_{\phi+3} + D_{t,LT}$ $\hat{Z}_t = \sum_{i=1}^{\phi} b_i (D_{t-\phi+i,1} - D_{t-\phi+i-1,1}) + b_{\phi+1} \sin \frac{\pi}{6} t$ $+ b_{\phi+2} \cos \frac{\pi}{6} t + b_{\phi+3} + D_{t,PC}$
13,19,25	Integrated Autoregressive Lag Seasonal with Constant ($\phi = 1,2,3$)	IAR1C LAG, IAR2C LAG, IAR3C LAG	$\hat{Y}_t = \sum_{i=1}^{\phi} a_i (D_{t-\phi+i,1} - D_{t-\phi+i-1,1}) + a_{\phi+1} (D_{t-12+LT,LT}$ $- D_{t-12,LT}) + a_{\phi+2} + D_{t,LT}$ $\hat{Z}_t = \sum_{i=1}^{\phi} b_i (D_{t-\phi+i,1} - D_{t-\phi+i-1,1}) + b_{\phi+1} (D_{t-12+LT+PC,PC}$ $- D_{t-12,PC}) + b_{\phi+2} + D_{t,PC}$

Table N-3

DEMAND PATTERN FOR WHEATFLOUR, 50 LB. BAGS -
GERMESHEIM, GERMANY; 1978-1983

PC. 3

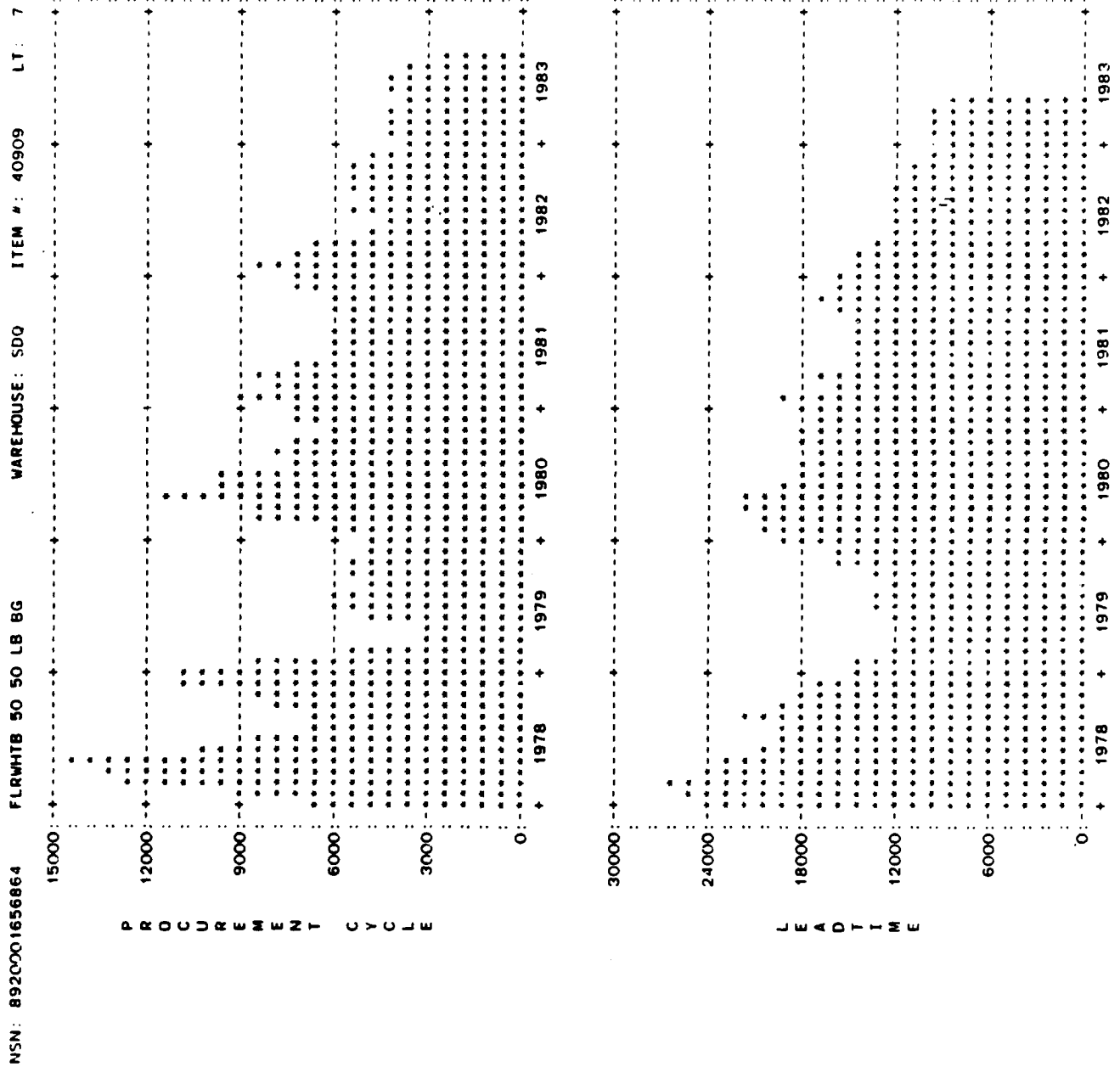
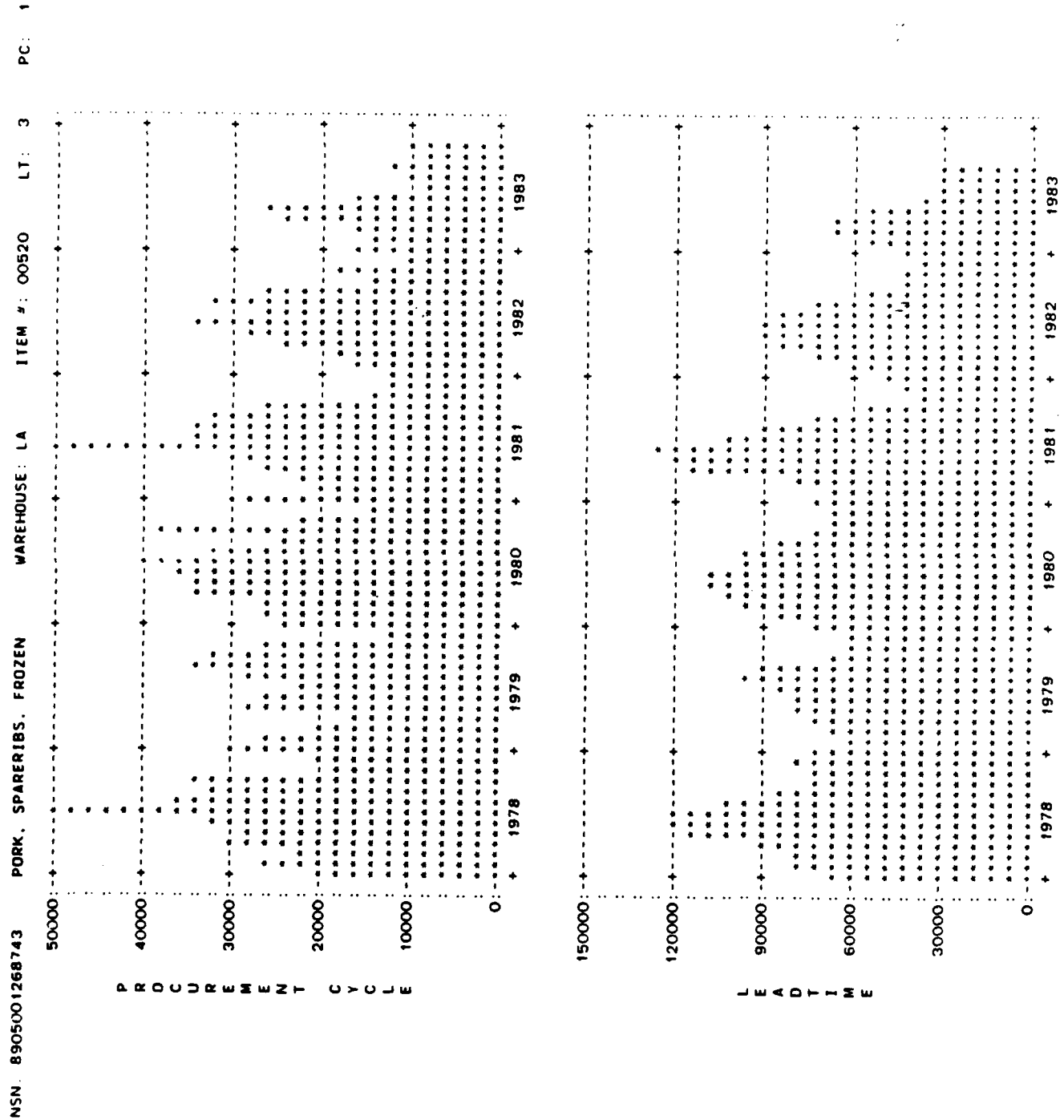


Table N-4

DEMAND PATTERN FOR PORK SPARERIBS, FROZEN -
KAISERSLAUTERN, GERMANY; 1978-1983



MODELS:

1: GLOBAL MEAN	2: 6-MO AVG	3: 12-MO AVG	4: 18-MO AVG	5: LAST LT/PC
6: LAST YEAR	7: DLA-III	8: AR1C	9: AR1C HARM	10: AR1C LAG
11: IAR1C	12: IAR1C HARM	13: IAR1C LAG	14: AR2C	15: AR2C HARM
16: AR2C LAG	17: IAR2C	18: IAR2C HARM	19: IAR2C LAG	20: AR3C
21: AR3C HARM	22: AR3C LAG	23: IAR3C	24: IAR3C HARM	25: IAR3C LAG

--- FLRWHTB 5050 LB BG
 MSN: 8920001656864 ITEM NO: 40909 LEADTIME: 7 PROC CYCLE: 3 RIC/DEPOT :SDQ
 CHILL CODE: 9 SHELF LIFE: 09 VSL: 3 UI: BG NET WGT: 00 SUPPLY CODE: 1 ISSUE CODE: 1 FLEET CODE: 0
 MEAN: 16986 STDEV: 4035 MAD: 3374 MEDIAN: 16833 T-MEAN 16725 MAD/SD: .84 C/VAR: .24 C/SKEW: .28 C/EXC: .65
 TREND 65.1 (DF: 4 F: 23.4) SEAS 4.3 (DF: 11 F: .6) RAND 30.6 (DF: 44)

SEAS: 111.5 107.7 104.2 98.4 96.9 97.0 95.9 97.6 99.5 96.4 97.1 97.8
 TREND: 124.5 87.8 117.4 96.5 73.8

% POS CHANGES: 46.3 37.9 41.5 37.5 34.9 30.6 34.4 31.7 28.8 29.3 28.1 26.8
 % TURNS: 34.3 24.2 18.5 14.1 11.1 11.3 11.5 15.0 11.9 5.2 5.3 7.1

MEAN STDEV 1 2 3 4 5 6 7 8 9 10 11 12 CHI-SQ

RAW DATA 16986 4035 + + + + + + + + + + + + 192.6 AUTO
 + + + + + + + + + + + + 72.1 PART
 + + + + + + + + + + + + 7.4 LAG
 * RAW INT -92 1455 + + + + + + + + + + + + 21.4
 * CROSS CORR + + + + + + + + + + + + 23.1
 * CROSS INTEG + + + + + + + + + + + + 5.8

| | MEAN | RMSE | THEIL | BIAS | REGR | DIST | OLC RMSE | OLC THEIL |
|------------|-------|------|-------|------|------|------|----------|-----------|
| 18-MO AVG | -791 | 3646 | .95 | .05 | .13 | .82 | 3296 | .86 |
| LAST LT/PC | -713 | 3827 | 1.00 | .04 | .26 | .71 | 3214 | .84 |
| AR3C | -2294 | 3830 | 1.00 | .37 | .04 | .60 | 2956 | .77 |
| AR3C HARM | -2072 | 3877 | 1.01 | .29 | .02 | .68 | 3208 | .84 |
| AR2C | -2375 | 3879 | 1.01 | .38 | .08 | .54 | 2845 | .74 |
| AR1C | -2397 | 3897 | 1.02 | .79 | .38 | .06 | 2892 | .76 |
| AR2C HARM | -2215 | 3960 | 1.03 | .32 | .02 | .66 | 3223 | .84 |
| 6-MO AVG | -706 | 3985 | 1.04 | .03 | .32 | .65 | 3219 | .84 |
| AR1C HARM | -2310 | 4016 | 1.05 | .34 | .02 | .64 | 3225 | .84 |
| DLA-III | -6 | 4019 | 1.05 | .00 | .33 | .67 | 3280 | .86 |
| GLOBAL MN | -2726 | 4080 | 1.07 | .45 | .19 | .36 | 2453 | .64 |
| AR3C LAG | -2929 | 4141 | 1.08 | .51 | .07 | .42 | 2698 | .70 |
| 12-MO AVG | -636 | 4147 | 1.08 | .02 | .35 | .63 | 3285 | .86 |
| AR3C HARM | 162 | 4234 | 1.11 | .60 | .3 | .60 | 3269 | .85 |
| AR2C LAG | -3046 | 4270 | 1.12 | .48 | .08 | .41 | 2721 | .71 |
| AR1C HARM | 213 | 4303 | 1.12 | .52 | .08 | .41 | 3273 | .86 |
| AR2C HARM | 189 | 4316 | 1.13 | .00 | .42 | .58 | 3275 | .86 |
| AR1C LAG | -3162 | 4357 | 1.14 | .53 | .08 | .38 | 2693 | .70 |
| IAR3C | 233 | 4438 | 1.16 | .00 | .45 | .55 | 3293 | .86 |
| IAR2C | 245 | 4531 | 1.18 | .00 | .47 | .53 | 3295 | .86 |
| IAR1C | 272 | 4536 | 1.19 | .00 | .47 | .53 | 3294 | .86 |
| LAST YEAR | -596 | 4920 | 1.29 | .00 | .56 | .42 | 3192 | .83 |
| IAR2C LAG | 1724 | 5650 | 1.48 | .10 | .57 | .34 | 3284 | .86 |
| IAR3C LAG | 1707 | 5658 | 1.48 | .09 | .57 | .34 | 3290 | .86 |
| IAR1C LAG | 1756 | 5680 | 1.48 | .10 | .57 | .33 | 3283 | .86 |

| SEMI PERISHABLES | | | | | | | | | | MODEL - | | | | | | | | | | | |
|---|-------|------|-------|-------|-------|-------|-------|--------|------|-----------------------------|-------|-------|------|-------|-------|------|------|------|------|------|-----|
| NSN PCK DEP LT PC NOMENCLATURE | | | | | | | | | | ITEM # | | | | | | | | | | | |
| 8920001656864 1 SDQ 7 3 FLRWHTB 50 50 LB BG | | | | | | | | | | 77 1345 | | | | | | | | | | | |
| LEAD TIME ESTIMATES | | | | | | | | | | PROCUREMENT CYCLE ESTIMATES | | | | | | | | | | | |
| MONTH: | ACT | IFCT | ERR | % ERR | DFCT | ERR | % ERR | MONTH: | ACT | IFCT | ERR | % ERR | DFCT | ERR | % ERR | | | | | | |
| 31: | 20476 | 0 | 20476 | 1.00 | 12102 | 8374 | .41 | 31: | 8282 | 0 | 8282 | 1.00 | 5186 | 3096 | .37 | | | | | | |
| 32: | 20825 | 0 | 20825 | 1.00 | 11082 | 9743 | .47 | 32: | 7530 | 0 | 7530 | 1.00 | 4750 | 2780 | .37 | | | | | | |
| 33: | 21756 | 0 | 21756 | 1.00 | 11748 | 10008 | .46 | 33: | 6067 | 0 | 6067 | 1.00 | 5035 | 1032 | .17 | | | | | | |
| 34: | 22637 | 0 | 22637 | 1.00 | 14155 | 8482 | .37 | 34: | 7409 | 0 | 7409 | 1.00 | 6066 | 1343 | .18 | | | | | | |
| 35: | 19363 | 0 | 19363 | 1.00 | 16073 | 3290 | .17 | 35: | 7684 | 0 | 7684 | 1.00 | 6888 | 796 | .10 | | | | | | |
| 36: | 18845 | 0 | 18845 | 1.00 | 15541 | 3304 | .18 | 36: | 9249 | 0 | 9249 | 1.00 | 6661 | 2588 | .28 | | | | | | |
| 37: | 18328 | 0 | 18328 | 1.00 | 19758 | -1430 | -.08 | 37: | 7911 | 0 | 7911 | 1.00 | 8468 | -557 | -.07 | | | | | | |
| 38: | 16992 | 0 | 16992 | 1.00 | 19600 | -2608 | -.15 | 38: | 8687 | 0 | 8687 | 1.00 | 8400 | 287 | .03 | | | | | | |
| 39: | 18216 | 0 | 18216 | 1.00 | 18318 | -102 | -.01 | 39: | 7711 | 0 | 7711 | 1.00 | 7850 | -139 | -.02 | | | | | | |
| 40: | 18924 | 0 | 18924 | 1.00 | 18713 | 211 | .01 | 40: | 6528 | 0 | 6528 | 1.00 | 8020 | -1492 | -.23 | | | | | | |
| 41: | 17397 | 0 | 17397 | 1.00 | 19985 | -2588 | -.15 | 41: | 6320 | 0 | 6320 | 1.00 | 8565 | -2245 | -.36 | | | | | | |
| 42: | 18397 | 0 | 18397 | 1.00 | 17639 | 758 | .04 | 42: | 6175 | 0 | 6175 | 1.00 | 7560 | -1385 | -.22 | | | | | | |
| 43: | 19385 | 0 | 19385 | 1.00 | 16181 | 3204 | .17 | 43: | 5427 | 0 | 5427 | 1.00 | 6935 | -1508 | -.28 | | | | | | |
| 44: | 16308 | 0 | 16308 | 1.00 | 19606 | -3298 | -.20 | 44: | 6072 | 0 | 6072 | 1.00 | 8403 | -2331 | -.38 | | | | | | |
| 45: | 16888 | 0 | 16888 | 1.00 | 17682 | -794 | -.05 | 45: | 6385 | 0 | 6385 | 1.00 | 7578 | -1193 | -.19 | | | | | | |
| 46: | 15563 | 0 | 15563 | 1.00 | 18301 | -2738 | -.18 | 46: | 7490 | 0 | 7490 | 1.00 | 7843 | -353 | -.05 | | | | | | |
| 47: | 14469 | 0 | 14469 | 1.00 | 19635 | -5166 | -.36 | 47: | 7372 | 0 | 7372 | 1.00 | 8415 | -1043 | -.14 | | | | | | |
| 48: | 14586 | 0 | 14586 | 1.00 | 18735 | -4149 | -.28 | 48: | 8410 | 0 | 8410 | 1.00 | 8029 | 381 | .05 | | | | | | |
| 49: | 15342 | 0 | 15342 | 1.00 | 17897 | -2555 | -.17 | 49: | 7774 | 0 | 7774 | 1.00 | 7670 | 104 | .01 | | | | | | |
| 50: | 15313 | 0 | 15313 | 1.00 | 17027 | -1714 | -.11 | 50: | 6892 | 0 | 6892 | 1.00 | 7297 | -405 | -.06 | | | | | | |
| 51: | 16676 | 0 | 16676 | 1.00 | 15508 | 1168 | .07 | 51: | 5348 | 0 | 5348 | 1.00 | 6646 | -1298 | -.24 | | | | | | |
| 52: | 16941 | 0 | 16941 | 1.00 | 14469 | 2472 | .15 | 52: | 4608 | 0 | 4608 | 1.00 | 6201 | -1593 | -.35 | | | | | | |
| 53: | 16778 | 0 | 16778 | 1.00 | 13238 | 3540 | .21 | 53: | 5671 | 0 | 5671 | 1.00 | 5674 | -3 | .00 | | | | | | |
| 54: | 15952 | 0 | 15952 | 1.00 | 14500 | 1452 | .09 | 54: | 5309 | 0 | 5309 | 1.00 | 6214 | -905 | -.17 | | | | | | |
| 55: | 15164 | 0 | 15164 | 1.00 | 14625 | 539 | .04 | 55: | 5920 | 0 | 5920 | 1.00 | 6268 | -348 | -.06 | | | | | | |
| 56: | 14959 | 0 | 14959 | 1.00 | 16216 | -1257 | -.08 | 56: | 5418 | 0 | 5418 | 1.00 | 6950 | -1532 | -.28 | | | | | | |
| 57: | 13889 | 0 | 13889 | 1.00 | 16392 | -2503 | -.18 | 57: | 5780 | 0 | 5780 | 1.00 | 7025 | -1245 | -.22 | | | | | | |
| 58: | 12674 | 0 | 12674 | 1.00 | 18626 | -5952 | -.47 | 58: | 5084 | 0 | 5084 | 1.00 | 7983 | -2899 | -.57 | | | | | | |
| 59: | 12603 | 0 | 12603 | 1.00 | 17479 | -4876 | -.39 | 59: | 4038 | 0 | 4038 | 1.00 | 7491 | -3453 | -.86 | | | | | | |
| 60: | 12777 | 0 | 12777 | 1.00 | 15348 | -2571 | -.20 | 60: | 4417 | 0 | 4417 | 1.00 | 6578 | -2161 | -.49 | | | | | | |
| 61: | 12410 | 0 | 12410 | 1.00 | 13763 | -1353 | -.11 | 61: | 4215 | 0 | 4215 | 1.00 | 5898 | -1683 | -.40 | | | | | | |
| 62: | 12033 | 0 | 12033 | 1.00 | 12148 | -115 | -.01 | 62: | 4603 | 0 | 4603 | 1.00 | 5206 | -603 | -.13 | | | | | | |
| 63: | 11523 | 0 | 11523 | 1.00 | 14098 | -2575 | -.22 | 63: | 4071 | 0 | 4071 | 1.00 | 6042 | -1971 | -.48 | | | | | | |
| 64: | 11316 | 0 | 11316 | 1.00 | 12630 | -1314 | -.12 | 64: | 4677 | 0 | 4677 | 1.00 | 5413 | -736 | -.16 | | | | | | |
| 65: | 10716 | 0 | 10716 | 1.00 | 12611 | -1895 | -.18 | 65: | 4449 | 0 | 4449 | 1.00 | 5405 | -956 | -.21 | | | | | | |
| 66: | 10176 | 0 | 10176 | 1.00 | 13113 | -2937 | -.29 | 66: | 3671 | 0 | 3671 | 1.00 | 5620 | -1949 | -.53 | | | | | | |
| 67: | 10213 | 0 | 10213 | 1.00 | 12515 | -2302 | -.23 | 67: | 2743 | 0 | 2743 | 1.00 | 5363 | -2620 | -.96 | | | | | | |
| RESULTS | | | | | | | | | | MAD | MERR | MAPE | MAD | MERR | MAPE | | | | | | |
| | | | | | | | | | | 15860 | 15860 | 1.00 | 3063 | -7 | .19 | 6092 | 6092 | 1.00 | 1379 | -708 | .26 |

NO OF FIT PARAMETERS = 0
 LEAD TIME PARAMETERS :
 PROC CYCLE PARAMETERS :

| SEMI PERISHABLES | | | | | | | | | | MODEL = 8 | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|--------|------|-----------------------------|-------|-------|-------|-------|-------|------|------|--|--|
| NSN PCK DEP LT PC NOMENCLATURE | | | | | | | | | | ITEM # | | | | | | | | | |
| 8920001656864 1 SDQ 7 3 FLRWHTB 50 50 LB BG | | | | | | | | | | NDP 77 1345 | | | | | | | | | |
| LEAD TIME ESTIMATES | | | | | | | | | | PROCUREMENT CYCLE ESTIMATES | | | | | | | | | |
| MONTH: | ACT | IFCT | ERR | % ERR | DFACT | ERR | % ERR | MONTH: | ACT | IFCT | ERR | % ERR | DFACT | ERR | % ERR | | | | |
| 31: | 20476 | 18709 | 1767 | .09 | 12102 | 8374 | .41 | 31: | 8282 | 6692 | 1590 | .19 | 5186 | 3096 | .37 | | | | |
| 32: | 20825 | 18118 | 2707 | .13 | 11082 | 9743 | .47 | 32: | 7530 | 6202 | 1328 | .18 | 4750 | 2780 | .37 | | | | |
| 33: | 21756 | 18133 | 3623 | .17 | 11748 | 10008 | .46 | 33: | 6067 | 6715 | -648 | -.11 | 5035 | 1032 | .17 | | | | |
| 34: | 22637 | 18311 | 4326 | .19 | 14155 | 8482 | .37 | 34: | 7409 | 7504 | -95 | -.01 | 6066 | 1343 | .18 | | | | |
| 35: | 19363 | 19234 | 129 | .01 | 18073 | 3290 | .17 | 35: | 7684 | 9070 | -1386 | -.18 | 6888 | 796 | .10 | | | | |
| 36: | 18845 | 17699 | 1146 | .06 | 19541 | 3304 | .18 | 36: | 9249 | 6993 | 2256 | .24 | 6661 | 2588 | .28 | | | | |
| 37: | 18328 | 19989 | -1661 | -.09 | 19758 | -1430 | -.08 | 37: | 7911 | 10077 | -2166 | -.27 | 8468 | -557 | -.07 | | | | |
| 38: | 16992 | 18303 | -1311 | -.08 | 19600 | -2608 | -.15 | 38: | 8687 | 7926 | 761 | .09 | 8400 | 287 | .03 | | | | |
| 39: | 18216 | 17984 | 232 | .01 | 18318 | -102 | -.01 | 39: | 7711 | 7451 | 260 | .03 | 7850 | -139 | -.02 | | | | |
| 40: | 18924 | 18633 | 291 | .02 | 18713 | 211 | .01 | 40: | 6528 | 8187 | -1659 | -.25 | 8020 | -1492 | -.23 | | | | |
| 41: | 17397 | 19070 | -1673 | -.10 | 19985 | -2588 | -.15 | 41: | 6320 | 8672 | -2352 | -.37 | 8565 | -2245 | -.36 | | | | |
| 42: | 18397 | 17918 | 479 | .03 | 17639 | 758 | .04 | 42: | 6175 | 7005 | -830 | -.13 | 7560 | -1385 | -.22 | | | | |
| 43: | 19385 | 18124 | 1261 | .07 | 18181 | 3204 | .17 | 43: | 5427 | 7198 | -1771 | -.33 | 6935 | -1508 | -.28 | | | | |
| 44: | 16308 | 19464 | -3156 | -.19 | 19806 | -3298 | -.20 | 44: | 6072 | 9524 | -3452 | -.57 | 8403 | -2331 | -.38 | | | | |
| 45: | 16888 | 18080 | -1192 | -.07 | 17682 | -794 | -.05 | 45: | 6385 | 7111 | -726 | -.11 | 7578 | -1193 | -.19 | | | | |
| 46: | 15563 | 18708 | -3145 | -.20 | 18301 | -2738 | -.18 | 46: | 7490 | 8211 | -721 | -.10 | 7843 | -353 | -.05 | | | | |
| 47: | 14469 | 18940 | -4471 | -.31 | 19635 | -5166 | -.36 | 47: | 7372 | 8456 | -1084 | -.15 | 8415 | -1043 | -.14 | | | | |
| 48: | 14586 | 18348 | -3762 | -.26 | 18735 | -4149 | -.28 | 48: | 8410 | 7684 | 726 | .09 | 8029 | 381 | .05 | | | | |
| 49: | 15342 | 18348 | -3006 | -.20 | 17897 | -2555 | -.17 | 49: | 7774 | 7665 | 109 | .01 | 7670 | 104 | .01 | | | | |
| 50: | 15313 | 18517 | -3204 | -.21 | 17027 | -1714 | -.11 | 50: | 6892 | 7831 | -939 | -.14 | 7297 | -405 | -.06 | | | | |
| 51: | 16676 | 18356 | -1680 | -.10 | 19508 | 1168 | .07 | 51: | 5348 | 7523 | -2175 | -.41 | 6646 | -1298 | -.24 | | | | |
| 52: | 16941 | 18307 | -1366 | -.08 | 14469 | 2472 | .15 | 52: | 4608 | 7486 | -2878 | -.62 | 8201 | -1593 | -.35 | | | | |
| 53: | 16778 | 18205 | -1427 | -.09 | 13238 | 3540 | .21 | 53: | 5671 | 7306 | -1635 | -.29 | 5674 | -3 | .00 | | | | |
| 54: | 15952 | 18321 | -2369 | -.15 | 14500 | 1452 | .09 | 54: | 5309 | 7708 | -2399 | -.45 | 6214 | -905 | -.17 | | | | |
| 55: | 15164 | 18170 | -3006 | -.20 | 14625 | 539 | .04 | 55: | 5920 | 7541 | -1621 | -.27 | 6268 | -348 | -.06 | | | | |
| 56: | 14959 | 18241 | -3282 | -.22 | 16216 | -1257 | -.08 | 56: | 5418 | 7802 | -2384 | -.44 | 6950 | -1532 | -.28 | | | | |
| 57: | 13889 | 18089 | -4200 | -.30 | 16392 | -2503 | -.18 | 57: | 5780 | 7611 | -1831 | -.32 | 7025 | -1245 | -.22 | | | | |
| 58: | 12674 | 18280 | -5606 | -.44 | 18626 | -5952 | -.47 | 58: | 5084 | 8000 | -2916 | -.57 | 7983 | -2899 | -.57 | | | | |
| 59: | 12603 | 17971 | -5368 | -.43 | 17479 | -4876 | -.39 | 59: | 4038 | 7531 | -3493 | -.87 | 7491 | -3453 | -.86 | | | | |
| 60: | 12777 | 17763 | -4986 | -.39 | 15348 | -2571 | -.20 | 60: | 4417 | 7238 | -2821 | -.64 | 6578 | -2161 | -.49 | | | | |
| 61: | 12410 | 17771 | -5361 | -.43 | 13763 | -1353 | -.11 | 61: | 4215 | 7252 | -3037 | -.72 | 5898 | -1683 | -.40 | | | | |
| 62: | 12033 | 17620 | -5587 | -.46 | 12148 | -115 | -.01 | 62: | 4603 | 7034 | -2431 | -.53 | 5706 | -603 | -.13 | | | | |
| 63: | 11523 | 17923 | -6400 | -.56 | 14098 | -2575 | -.22 | 63: | 4071 | 7577 | -3506 | -.86 | 6042 | -1971 | -.48 | | | | |
| 64: | 11316 | 17464 | -6148 | -.54 | 12630 | -1314 | -.12 | 64: | 4677 | 6896 | -2319 | -.47 | 5413 | -736 | -.16 | | | | |
| 65: | 10716 | 17611 | -6895 | -.64 | 12611 | -1895 | -.18 | 65: | 4449 | 7219 | -2770 | -.62 | 5405 | -956 | -.21 | | | | |
| 66: | 10176 | 17524 | -7348 | -.72 | 13113 | -2937 | -.29 | 66: | 3671 | 7212 | -3541 | -.96 | 5620 | -1949 | -.53 | | | | |
| 67: | 10213 | 17272 | -7059 | -.69 | 12515 | -2302 | -.23 | 67: | 2743 | 6980 | -4237 | -1.54 | 5363 | -2620 | -.96 | | | | |
| RESULTS | | | | | | | | | | | | | | | | | | | |
| MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE | | |
| 3260 | -2397 | .24 | 3063 | -7 | .19 | | | | 1912 | -1532 | .38 | 1379 | -708 | .26 | | | | | |

NO OF FIT PARAMETERS = 2
 LEAD TIME PARAMETERS : .36 16656.86
 PROC CYCLE PARAMETERS : .52 6102.97

| SEMI PERISHABLES -- ARI HARMONIC WITH CONSTANT | | | | | | | | | |
|--|-------|-------|-------|-------|---------------------|-------|--------|---------|-------|
| NSN | PCK | DEP | LT | PC | NOMENCLATURE | NDP | ITEM # | MODEL # | 9 |
| 8920001656864 | 1 | SDQ | 7 | 3 | FLRWHTB 50 50 LB BG | 77 | 1345 | | |
| LEAD TIME ESTIMATES | | | | | | | | | |
| MONTH: | ACT | IFCT | ERR | % ERR | DFT | ERR | % ERR | DFT | % ERR |
| 31: | 20476 | 19338 | 1138 | .06 | 12102 | 8374 | .41 | 31: | 31: |
| 32: | 20825 | 18219 | 2606 | .13 | 11082 | 9743 | .47 | 32: | 32: |
| 33: | 21756 | 17729 | 4027 | .19 | 11748 | 10008 | .46 | 33: | 33: |
| 34: | 22637 | 17396 | 5241 | .23 | 14155 | 8482 | .37 | 34: | 34: |
| 35: | 19363 | 17939 | 1424 | .07 | 16073 | 3290 | .17 | 35: | 35: |
| 36: | 18845 | 16050 | 2795 | .15 | 15541 | 3304 | .18 | 36: | 36: |
| 37: | 18328 | 18855 | -527 | -.03 | 19758 | -1430 | -.08 | 37: | 37: |
| 38: | 16992 | 17225 | -233 | -.01 | 19600 | -2608 | -.15 | 38: | 38: |
| 39: | 18216 | 17401 | 815 | .04 | 18318 | -102 | -.01 | 39: | 39: |
| 40: | 18924 | 18935 | -11 | .00 | 18713 | 211 | .01 | 40: | 40: |
| 41: | 17397 | 20051 | -2654 | -.15 | 19985 | -2588 | -.15 | 41: | 41: |
| 42: | 18397 | 19052 | -655 | -.04 | 17639 | 758 | .04 | 42: | 42: |
| 43: | 19385 | 19509 | -124 | -.01 | 16181 | 3204 | .17 | 43: | 43: |
| 44: | 16308 | 21294 | -4986 | -.31 | 19606 | -3298 | -.20 | 44: | 44: |
| 45: | 16888 | 18706 | -1818 | -.11 | 17682 | -794 | -.05 | 45: | 45: |
| 46: | 15563 | 18855 | -3292 | -.21 | 18301 | -2738 | -.18 | 46: | 46: |
| 47: | 14469 | 18406 | -3937 | -.27 | 19635 | -5166 | -.36 | 47: | 47: |
| 48: | 14586 | 17110 | -2524 | -.17 | 18735 | -4149 | -.28 | 48: | 48: |
| 49: | 15342 | 16834 | -1492 | -.10 | 17897 | -2555 | -.17 | 49: | 49: |
| 50: | 15313 | 17172 | -1859 | -.12 | 17027 | -1714 | -.11 | 50: | 50: |
| 51: | 16676 | 17592 | -916 | -.05 | 15508 | 1168 | .07 | 51: | 51: |
| 52: | 16941 | 18207 | -1266 | -.07 | 14469 | 2472 | .15 | 52: | 52: |
| 53: | 16778 | 18775 | -1997 | -.12 | 13238 | 3540 | .21 | 53: | 53: |
| 54: | 15952 | 19516 | -3564 | -.22 | 14500 | 1452 | .09 | 54: | 54: |
| 55: | 15164 | 19451 | -4287 | -.28 | 14625 | 539 | .04 | 55: | 55: |
| 56: | 14959 | 19337 | -4378 | -.29 | 16216 | -1257 | -.08 | 56: | 56: |
| 57: | 13889 | 18551 | -4662 | -.34 | 16392 | -2503 | -.18 | 57: | 57: |
| 58: | 12674 | 18121 | -5447 | -.43 | 18626 | -5952 | -.47 | 58: | 58: |
| 59: | 12603 | 16973 | -4370 | -.35 | 17479 | -4876 | -.39 | 59: | 59: |
| 60: | 12777 | 16260 | -3483 | -.27 | 15348 | -2571 | -.20 | 60: | 60: |
| 61: | 12410 | 16310 | -3900 | -.31 | 13763 | -1353 | -.11 | 61: | 61: |
| 62: | 12033 | 16486 | -4453 | -.37 | 12148 | -115 | -.01 | 62: | 62: |
| 63: | 11523 | 17554 | -6031 | -.52 | 14098 | -2575 | -.22 | 63: | 63: |
| 64: | 11316 | 17626 | -6310 | -.56 | 12630 | -1314 | -.12 | 64: | 64: |
| 65: | 10716 | 18468 | -7752 | -.72 | 12611 | -1895 | -.18 | 65: | 65: |
| 66: | 10176 | 18706 | -8530 | -.84 | 13113 | -2937 | -.29 | 66: | 66: |
| 67: | 10213 | 18326 | -8113 | -.79 | 12515 | -2302 | -.23 | 67: | 67: |
| PROCUREMENT CYCLE ESTIMATES | | | | | | | | | |
| MONTH: | ACT | IFCT | ERR | % ERR | DFT | ERR | % ERR | DFT | % ERR |
| 31: | 8282 | 6017 | 2265 | .27 | 5186 | 3096 | .37 | 31: | 31: |
| 32: | 7530 | 5593 | 1937 | .26 | 4750 | 2780 | .37 | 32: | 32: |
| 33: | 6067 | 6173 | -106 | -.02 | 5035 | 1032 | .17 | 33: | 33: |
| 34: | 7409 | 7237 | 172 | .02 | 6066 | 1343 | .18 | 34: | 34: |
| 35: | 7684 | 9277 | -1593 | -.21 | 6888 | 796 | .10 | 35: | 35: |
| 36: | 9249 | 7681 | 1568 | .17 | 6661 | 2588 | .28 | 36: | 36: |
| 37: | 7911 | 11111 | -3200 | -.40 | 8468 | -557 | -.07 | 37: | 37: |
| 38: | 8687 | 9080 | -393 | -.05 | 8400 | 287 | .03 | 38: | 38: |
| 39: | 7711 | 8467 | -756 | -.10 | 7850 | -139 | -.02 | 39: | 39: |
| 40: | 6528 | 8878 | -2350 | -.36 | 8020 | -1492 | -.23 | 40: | 40: |
| 41: | 6320 | 8840 | -2520 | -.40 | 8565 | -2245 | -.36 | 41: | 41: |
| 42: | 6175 | 6643 | -468 | -.08 | 7560 | -1385 | -.22 | 42: | 42: |
| 43: | 5427 | 6396 | -969 | -.18 | 6935 | -1508 | -.28 | 43: | 43: |
| 44: | 6072 | 8374 | -2302 | -.38 | 8403 | -2331 | -.38 | 44: | 44: |
| 45: | 6385 | 6054 | 331 | .05 | 7578 | -1193 | -.19 | 45: | 45: |
| 46: | 7490 | 7454 | 36 | .00 | 7843 | -353 | -.05 | 46: | 46: |
| 47: | 7372 | 8152 | -780 | -.11 | 8415 | -1043 | -.14 | 47: | 47: |
| 48: | 8410 | 7971 | 439 | .05 | 8029 | 381 | .05 | 48: | 48: |
| 49: | 7774 | 8360 | -586 | -.08 | 7670 | 104 | .01 | 49: | 49: |
| 50: | 6892 | 8713 | -1821 | -.26 | 7297 | -405 | -.06 | 50: | 50: |
| 51: | 5348 | 8334 | -2986 | -.56 | 6646 | -1298 | -.24 | 51: | 51: |
| 52: | 4608 | 7962 | -3354 | -.73 | 6201 | -1593 | -.35 | 52: | 52: |
| 53: | 5671 | 7332 | -1661 | -.29 | 5674 | -3 | .00 | 53: | 53: |
| 54: | 5309 | 7118 | -1809 | -.34 | 6214 | -905 | -.17 | 54: | 54: |
| 55: | 5920 | 6609 | -689 | -.12 | 6268 | -348 | -.06 | 55: | 55: |
| 56: | 5418 | 6714 | -1296 | -.24 | 6950 | -1532 | -.28 | 56: | 56: |
| 57: | 5780 | 6702 | -922 | -.16 | 7025 | -1245 | -.22 | 57: | 57: |
| 58: | 5084 | 7437 | -2353 | -.46 | 7983 | -2899 | -.57 | 58: | 58: |
| 59: | 4038 | 7549 | -3511 | -.87 | 7491 | -3453 | -.86 | 59: | 59: |
| 60: | 4417 | 7763 | -3346 | -.76 | 6578 | -2161 | -.49 | 60: | 60: |
| 61: | 4215 | 8062 | -3847 | -.91 | 5898 | -1683 | -.40 | 61: | 61: |
| 62: | 4603 | 7902 | -3299 | -.72 | 5206 | -603 | -.13 | 62: | 62: |
| 63: | 4071 | 8186 | -4115 | -1.01 | 6042 | -1971 | -.48 | 63: | 63: |
| 64: | 4677 | 7177 | -2500 | -.53 | 5413 | -736 | -.16 | 64: | 64: |
| 65: | 4449 | 6988 | -2539 | -.57 | 5405 | -956 | -.21 | 65: | 65: |
| 66: | 3671 | 6549 | -2878 | -.78 | 5620 | -1949 | -.53 | 66: | 66: |
| 67: | 2743 | 6083 | -3340 | -1.22 | 5363 | -2620 | -.96 | 67: | 67: |
| RESULTS | | | | | | | | | |
| MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE | MAPE |
| 3287 | -2311 | .24 | 3063 | -7 | .19 | 1866 | -1501 | .37 | .26 |

NO OF FIT PARAMETERS = 4
 LEAD TIME PARAMETERS :
 .53 44.40 -1418.34 16225.65
 .45 737.17 695.99 6290.67
 PROC CYCLE PARAMETERS :

| ***** SEMI PERISHABLES ***** | | | | | | | | | |
|-----------------------------------|-------|-------|-------|-------|-----------------------------|-------|--------|-------|------|
| -- AR1 LAG SEASONAL WITH CONSTANT | | | | | | | | | |
| NSN | PCK | DEP | LT | PC | NOMENCLATURE | NDP | ITEM # | MODEL | 10 |
| 8920001656864 | 1 | SDQ | 7 | 3 | FLRWHB 50 50 LB BG | 77 | 1345 | | |
| ***** | | | | | | | | | |
| LEAD TIME ESTIMATES | | | | | PROCUREMENT CYCLE ESTIMATES | | | | |
| MONTH: | ACT | IFCT | ERR | % ERR | ACT | IFCT | ERR | % ERR | |
| 31: | 20476 | 22443 | -1967 | -10 | 8282 | 8599 | -317 | -04 | |
| 32: | 20825 | 23662 | -2837 | -14 | 7530 | 8395 | -865 | -11 | |
| 33: | 21756 | 25577 | -3821 | -18 | 6067 | 8492 | -2425 | -40 | |
| 34: | 22637 | 25426 | -2789 | -12 | 7409 | 8837 | -1448 | -20 | |
| 35: | 19363 | 25712 | -6349 | -33 | 7684 | 9539 | -1855 | -24 | |
| 36: | 18845 | 21754 | -2909 | -15 | 9249 | 8122 | 1127 | 12 | |
| 37: | 18328 | 25923 | -7595 | -41 | 7911 | 7668 | 243 | 03 | |
| 38: | 16992 | 23168 | -6176 | -36 | 8687 | 6995 | 1692 | 19 | |
| 39: | 18216 | 21185 | -2969 | -16 | 7711 | 5193 | 2518 | 33 | |
| 40: | 18924 | 20190 | -1266 | -07 | 6528 | 6405 | 123 | 02 | |
| 41: | 17397 | 20724 | -3327 | -19 | 6320 | 6660 | -340 | -05 | |
| 42: | 18397 | 15454 | 2943 | 16 | 6175 | 7503 | -1328 | -22 | |
| 43: | 19385 | 15210 | 4175 | 22 | 5427 | 6923 | -1496 | -28 | |
| 44: | 16308 | 17108 | -800 | -05 | 6072 | 8272 | -2200 | -36 | |
| 45: | 16888 | 14712 | 2176 | 13 | 6385 | 8026 | -1641 | -26 | |
| 46: | 15563 | 15066 | 477 | 03 | 7490 | 7737 | -247 | -03 | |
| 47: | 14469 | 17159 | -2690 | -19 | 7372 | 7756 | -384 | -05 | |
| 48: | 14586 | 16612 | -2026 | -14 | 8410 | 6641 | 1769 | 21 | |
| 49: | 15342 | 16937 | -1655 | -11 | 7774 | 7409 | 365 | 05 | |
| 50: | 15313 | 17956 | -2643 | -17 | 6892 | 7108 | -216 | -03 | |
| 51: | 16676 | 17167 | -491 | -03 | 5348 | 7471 | -2123 | -40 | |
| 52: | 16941 | 16889 | 52 | 00 | 4608 | 7986 | -3378 | -73 | |
| 53: | 16778 | 17608 | -830 | -05 | 5671 | 7974 | -2303 | -41 | |
| 54: | 15952 | 17244 | -1292 | -08 | 5309 | 8207 | -2898 | -55 | |
| 55: | 15164 | 16614 | -1450 | -10 | 5920 | 8427 | -2507 | -42 | |
| 56: | 14959 | 18241 | -3282 | -22 | 5418 | 8242 | -2824 | -52 | |
| 57: | 13889 | 17784 | -3895 | -28 | 5780 | 8006 | -2226 | -39 | |
| 58: | 12674 | 18632 | -5958 | -47 | 5084 | 7687 | -2603 | -51 | |
| 59: | 12603 | 18919 | -6316 | -50 | 4038 | 7546 | -3508 | -87 | |
| 60: | 12777 | 18685 | -5908 | -46 | 4417 | 6942 | -2525 | -57 | |
| 61: | 12410 | 18328 | -5918 | -48 | 4215 | 7209 | -2994 | -71 | |
| 62: | 12033 | 18242 | -6209 | -52 | 4603 | 7434 | -2831 | -61 | |
| 63: | 11523 | 17771 | -6248 | -54 | 4071 | 8333 | -4262 | -105 | |
| 64: | 11316 | 17245 | -5929 | -52 | 4677 | 8213 | -3536 | -76 | |
| 65: | 10716 | 17361 | -6645 | -62 | 4449 | 7865 | -3416 | -77 | |
| 66: | 10176 | 17524 | -7348 | -72 | 3671 | 7945 | -4274 | -116 | |
| 67: | 10213 | 17517 | -7304 | -72 | 2743 | 7549 | -4806 | -175 | |
| ***** | | | | | | | | | |
| RESULTS | | | | | RESULTS | | | | |
| MAD | MERR | MAPE | MAD | MERR | MAD | MERR | MAPE | MAD | MAPE |
| 3694 | -3163 | .26 | 3063 | -7 | 2044 | -1620 | .42 | 1379 | .26 |

NO OF FIT PARAMETERS = 3
 LEAD TIME PARAMETERS :
 .28
 .27
 PROC CYCLE PARAMETERS :
 .39 22919.08
 .38 9329.52

***** SEMI PERISHABLES --- INTEGRATED ARI WITH CONSTANT *****
 NSN PCK DEP LT PC NOMENCLATURE NSN ITEM # MODEL = 11
 8920001656864 1 SDQ 7 3 FLRWHB 50 50 LB BG 77 1345

| LEAD TIME ESTIMATES | | | | | | | | | | PROCUREMENT CYCLE ESTIMATES | | | | | | | | | |
|---------------------|-------|-------|-------|-------|-------|-------|-------|------|-------|-----------------------------|-------|------|-------|-------|------|-------|--|--|--|
| MONTH: | ACT | IFCT | ERR | % ERR | DFCT | ERR | % ERR | ERR | % ERR | ACT | IFCT | ERR | % ERR | DFCT | ERR | % ERR | | | |
| 31: | 20476 | 10120 | 10356 | .51 | 12102 | 8374 | .41 | 31: | 8282 | 3396 | 4886 | .59 | 5186 | 3096 | .37 | | | | |
| 32: | 20825 | 10284 | 10541 | .51 | 11082 | 9743 | .47 | 32: | 7530 | 3033 | 4497 | .60 | 4750 | 2780 | .37 | | | | |
| 33: | 21756 | 10063 | 11693 | .54 | 11748 | 10008 | .46 | 33: | 6067 | 3543 | 2524 | .42 | 5035 | 1032 | .17 | | | | |
| 34: | 22637 | 11152 | 11485 | .51 | 14155 | 8482 | .37 | 34: | 7409 | 4846 | 2563 | .35 | 6066 | 1343 | .18 | | | | |
| 35: | 19363 | 14587 | 4776 | .25 | 16073 | 3290 | .17 | 35: | 7684 | 8621 | -937 | -.12 | 6888 | 796 | .10 | | | | |
| 36: | 18845 | 12829 | 6016 | .32 | 15541 | 3304 | .18 | 36: | 9249 | 5803 | 3446 | .37 | 6661 | 2588 | .28 | | | | |
| 37: | 18328 | 20332 | -2004 | -.11 | 19758 | -1430 | -.08 | 37: | 7911 | 13125 | -5214 | -.66 | 8468 | -557 | -.07 | | | | |
| 38: | 16992 | 17399 | -407 | -.02 | 19600 | -2608 | -.15 | 38: | 8687 | 7433 | 1254 | .14 | 8400 | 287 | .03 | | | | |
| 39: | 18216 | 19366 | -1150 | -.06 | 18318 | -102 | -.01 | 39: | 7711 | 8728 | -1017 | -.13 | 7850 | -139 | -.02 | | | | |
| 40: | 18924 | 21891 | -2967 | -.16 | 18713 | 211 | .01 | 40: | 6528 | 7587 | -1059 | -.16 | 8020 | -1492 | -.23 | | | | |
| 41: | 17397 | 22936 | -5539 | -.32 | 19985 | -2588 | -.15 | 41: | 6320 | 8368 | -2048 | -.32 | 8565 | -2245 | -.36 | | | | |
| 42: | 18397 | 16772 | 1625 | .09 | 17639 | 758 | .04 | 42: | 6175 | 5564 | .611 | .10 | 7560 | -1385 | -.22 | | | | |
| 43: | 19385 | 19070 | 315 | .02 | 16181 | 3204 | .17 | 43: | 5427 | 6073 | -646 | -.12 | 6935 | -1508 | -.28 | | | | |
| 44: | 16308 | 19879 | -3571 | -.22 | 19606 | -3298 | -.20 | 44: | 6072 | 9555 | -3483 | -.57 | 8403 | -2331 | -.38 | | | | |
| 45: | 16888 | 14712 | 2176 | .13 | 17682 | -794 | -.05 | 45: | 6385 | 5169 | 1216 | .19 | 7578 | -1193 | -.19 | | | | |
| 46: | 15563 | 18941 | -3378 | -.22 | 18301 | -2738 | -.18 | 46: | 7490 | 9901 | -2411 | -.32 | 7843 | -353 | -.05 | | | | |
| 47: | 14469 | 18881 | -4412 | -.30 | 19635 | -5166 | -.36 | 47: | 7372 | 7681 | -309 | -.04 | 8415 | -1043 | -.14 | | | | |
| 48: | 14586 | 16128 | -1542 | -.11 | 18735 | -4149 | -.28 | 48: | 8410 | 7912 | 498 | .06 | 8029 | 381 | .05 | | | | |
| 49: | 15342 | 17877 | -2535 | -.17 | 17897 | -2555 | -.17 | 49: | 7774 | 7270 | 504 | .06 | 7670 | 104 | .01 | | | | |
| 50: | 15313 | 19099 | -3786 | -.25 | 17027 | -1714 | -.11 | 50: | 6892 | 6188 | 704 | .10 | 7297 | -405 | -.06 | | | | |
| 51: | 16676 | 15565 | 1111 | .07 | 15508 | 1168 | .07 | 51: | 5348 | 5695 | -347 | -.06 | 6646 | -1298 | -.24 | | | | |
| 52: | 16941 | 16385 | 556 | .03 | 14469 | 2472 | .15 | 52: | 4608 | 5684 | -1076 | -.23 | 6201 | -1593 | -.35 | | | | |
| 53: | 16778 | 14940 | 1838 | .11 | 13238 | 3540 | .21 | 53: | 5671 | 4876 | 795 | .14 | 5674 | -3 | .00 | | | | |
| 54: | 15952 | 13989 | 1963 | .12 | 14500 | 1452 | .09 | 54: | 5309 | 5692 | -383 | -.07 | 6214 | -905 | -.17 | | | | |
| 55: | 15164 | 13793 | 1371 | .09 | 14625 | 539 | .04 | 55: | 5920 | 5784 | 136 | .02 | 6268 | -348 | -.06 | | | | |
| 56: | 14959 | 14724 | 235 | .02 | 16216 | -1257 | -.08 | 56: | 5418 | 7014 | -1596 | -.29 | 6950 | -1532 | -.28 | | | | |
| 57: | 13889 | 14376 | -487 | -.04 | 16392 | -2503 | -.18 | 57: | 5780 | 6730 | -950 | -.16 | 7025 | -1245 | -.22 | | | | |
| 58: | 12674 | 16057 | -3383 | -.27 | 18626 | -5952 | -.47 | 58: | 5084 | 7979 | -2895 | -.57 | 7983 | -2899 | -.57 | | | | |
| 59: | 12603 | 15891 | -3288 | -.26 | 17479 | -4876 | -.39 | 59: | 4038 | 7048 | -3010 | -.75 | 7491 | -3453 | -.86 | | | | |
| 60: | 12777 | 15880 | -3103 | -.24 | 15348 | -2571 | -.20 | 60: | 4417 | 6255 | -1838 | -.42 | 6578 | -2161 | -.49 | | | | |
| 61: | 12410 | 15286 | -2876 | -.23 | 13763 | -1353 | -.11 | 61: | 4215 | 4836 | -621 | -.15 | 5898 | -1683 | -.40 | | | | |
| 62: | 12033 | 14414 | -2381 | -.20 | 12148 | -115 | -.01 | 62: | 4603 | 4000 | 603 | .13 | 5206 | -603 | -.13 | | | | |
| 63: | 11523 | 14565 | -3042 | -.26 | 14098 | -2575 | -.22 | 63: | 4071 | 5318 | -1247 | -.31 | 6042 | -1971 | -.48 | | | | |
| 64: | 11316 | 12891 | -1575 | -.14 | 12630 | -1314 | -.12 | 64: | 4677 | 4556 | 121 | .03 | 5413 | -736 | -.16 | | | | |
| 65: | 10716 | 12068 | -1352 | -.13 | 12611 | -1895 | -.18 | 65: | 4449 | 5482 | -1033 | -.23 | 5405 | -956 | -.21 | | | | |
| 66: | 10176 | 11796 | -1620 | -.16 | 13113 | -2937 | -.29 | 66: | 3671 | 4848 | -1177 | -.32 | 5620 | -1949 | -.53 | | | | |
| 67: | 10213 | 11797 | -1584 | -.16 | 12515 | -2302 | -.23 | 67: | 2743 | 5124 | -2381 | -.87 | 5363 | -2620 | -.96 | | | | |
| RESULTS | MAD | MERR | MAPE | MERR | MAD | MERR | MAPE | MAD | MERR | MAPE | MERR | MAD | MERR | MAPE | MERR | MAPE | | | |
| | 3298 | 272 | .20 | -7 | 3063 | -7 | .19 | 1623 | -306 | .28 | -708 | 1379 | -708 | .26 | | | | | |

NO OF FIT PARAMETERS = 2
 LEAD TIME PARAMETERS :
 .27 -876.85
 .16 -596.39
 PROC CYCLE PARAMETERS :

| ***** INTEGRATED AR1 HARMONIC WITH CONSTANT ***** | | | | | | | | | |
|---|----------|----------|---------|-------|---------------------|-------|--------|---------|----|
| SEMI PERISHABLES | | | | | | | | | |
| NSN | PCK | DEP | LT | PC | NOMENCLATURE | NDP | ITEM # | MODEL # | |
| 8920001656864 | 1 | SDQ | 7 | 3 | FLRWHTB 50 50 LB BG | 77 | 1345 | 12 | |
| ***** | | | | | | | | | |
| LEAD TIME ESTIMATES | | | | | | | | | |
| MONTH: | ACT | IFCT | ERR | % ERR | DFT | ERR | % ERR | | |
| 31: | 20476 | 11012 | 9464 | .46 | 12102 | 8374 | .41 | | |
| 32: | 20825 | 11786 | 9039 | .43 | 11082 | 9743 | .47 | | |
| 33: | 21756 | 11737 | 10019 | .46 | 11748 | 10008 | .46 | | |
| 34: | 22637 | 12117 | 10520 | .46 | 14155 | 8482 | .37 | | |
| 35: | 19363 | 14282 | 5081 | .26 | 16073 | 3290 | .17 | | |
| 36: | 18845 | 11805 | 7040 | .37 | 15541 | 3304 | .18 | | |
| 37: | 18328 | 18228 | 100 | .01 | 19758 | -1430 | -.08 | | |
| 38: | 16992 | 15999 | 993 | .06 | 19600 | -2608 | -.15 | | |
| 39: | 18216 | 18261 | -45 | .00 | 18318 | -102 | -.01 | | |
| 40: | 18924 | 21254 | -2330 | -.12 | 18713 | 211 | .01 | | |
| 41: | 17397 | 23233 | -5836 | -.34 | 19985 | -2588 | -.15 | | |
| 42: | 18397 | 18748 | -351 | -.02 | 17639 | 758 | .04 | | |
| 43: | 19385 | 21103 | -1718 | -.08 | 16181 | 3204 | .17 | | |
| 44: | 16308 | 22250 | -5942 | -.36 | 19606 | -3298 | -.20 | | |
| 45: | 16888 | 17350 | -462 | -.03 | 17682 | -794 | -.05 | | |
| 46: | 15563 | 19809 | -4246 | -.27 | 18301 | -2738 | -.18 | | |
| 47: | 14469 | 18763 | -4294 | -.30 | 19635 | -5166 | -.36 | | |
| 48: | 14586 | 15287 | -701 | -.05 | 18735 | -4149 | -.28 | | |
| 49: | 15342 | 15741 | -399 | -.03 | 17897 | -2555 | -.17 | | |
| 50: | 15313 | 16421 | -1108 | -.07 | 17027 | -1714 | -.11 | | |
| 51: | 16676 | 13342 | 3334 | .20 | 15508 | 1168 | .07 | | |
| 52: | 16941 | 14797 | 2144 | .13 | 14469 | 2472 | .15 | | |
| 53: | 16778 | 14637 | 2141 | .13 | 13238 | 3540 | .21 | | |
| 54: | 15952 | 14922 | 1030 | .06 | 14500 | 1452 | .09 | | |
| 55: | 15164 | 15709 | -545 | -.04 | 14625 | 539 | .04 | | |
| 56: | 14959 | 16873 | -1914 | -.13 | 16216 | -1257 | -.08 | | |
| 57: | 13889 | 16378 | -2489 | -.18 | 16392 | -2503 | -.18 | | |
| 58: | 12674 | 16961 | -4287 | -.34 | 18626 | -5932 | -.47 | | |
| 59: | 12603 | 15805 | -3202 | -.25 | 17479 | -4876 | -.39 | | |
| 60: | 12777 | 14607 | -1830 | -.14 | 15348 | -2571 | -.20 | | |
| 61: | 12410 | 13185 | -775 | -.06 | 13763 | -1353 | -.11 | | |
| 62: | 12033 | 12216 | -183 | -.02 | 12148 | -115 | -.01 | | |
| 63: | 11523 | 12684 | -1161 | -.10 | 14098 | -2575 | -.22 | | |
| 64: | 11316 | 12204 | -888 | -.08 | 12630 | -1314 | -.12 | | |
| 65: | 10716 | 12366 | -1670 | -.16 | 12611 | -1895 | -.18 | | |
| 66: | 10176 | 13207 | -3031 | -.30 | 13113 | -2937 | -.29 | | |
| 67: | 10213 | 13837 | -3624 | -.35 | 12515 | -2302 | -.23 | | |
| ***** | | | | | | | | | |
| PROCUREMENT CYCLE ESTIMATES | | | | | | | | | |
| MONTH: | ACT | IFCT | ERR | % ERR | DFT | ERR | % ERR | | |
| 31: | 8282 | 4972 | 3310 | .40 | 5186 | 3096 | .37 | | |
| 32: | 7530 | 4226 | 3304 | .44 | 4750 | 2780 | .37 | | |
| 33: | 6067 | 4031 | 2036 | .34 | 5035 | 1032 | .17 | | |
| 34: | 7409 | 4857 | 2552 | .34 | 6066 | 1343 | .18 | | |
| 35: | 7684 | 8560 | -876 | -.11 | 6888 | 796 | .10 | | |
| 36: | 9249 | 5840 | 3409 | .37 | 6661 | 2588 | .28 | | |
| 37: | 7911 | 13588 | -5677 | -.72 | 8468 | -557 | -.07 | | |
| 38: | 8687 | 7972 | 715 | .08 | 8400 | 287 | .03 | | |
| 39: | 7711 | 9621 | -1910 | -.25 | 7850 | -139 | -.02 | | |
| 40: | 6528 | 8662 | -2134 | -.33 | 8020 | -1492 | -.23 | | |
| 41: | 6320 | 9320 | -3000 | -.47 | 8565 | -2245 | -.36 | | |
| 42: | 6175 | 6202 | -.27 | .00 | 7560 | -1385 | -.22 | | |
| 43: | 5427 | 6388 | -961 | -.18 | 6935 | -1508 | -.28 | | |
| 44: | 6072 | 9555 | -3483 | -.57 | 8403 | -2331 | -.38 | | |
| 45: | 6385 | 4389 | 1996 | .31 | 7578 | -1193 | -.19 | | |
| 46: | 7490 | 9209 | -1719 | -.23 | 7843 | -353 | -.05 | | |
| 47: | 7372 | 6821 | 551 | .07 | 8415 | -1043 | -.14 | | |
| 48: | 8410 | 7029 | 1381 | .16 | 8029 | 381 | .05 | | |
| 49: | 7774 | 6636 | 1138 | .15 | 7670 | 104 | .01 | | |
| 50: | 6892 | 5895 | 997 | .14 | 7297 | -405 | -.06 | | |
| 51: | 5348 | 5754 | -406 | -.08 | 6646 | -1298 | -.24 | | |
| 52: | 4608 | 6059 | -1451 | -.31 | 6201 | -1593 | -.35 | | |
| 53: | 5671 | 5427 | 244 | .04 | 5674 | -3 | .00 | | |
| 54: | 5309 | 6243 | -934 | -.18 | 6214 | -905 | -.17 | | |
| 55: | 5920 | 6162 | -242 | -.04 | 6268 | -348 | -.06 | | |
| 56: | 5418 | 7116 | -1698 | -.31 | 6950 | -1532 | -.28 | | |
| 57: | 5780 | 6507 | -727 | -.13 | 7025 | -1245 | -.22 | | |
| 58: | 5084 | 7539 | -2455 | -.48 | 7983 | -2899 | -.57 | | |
| 59: | 4038 | 6491 | -2453 | -.61 | 7491 | -3453 | -.86 | | |
| 60: | 4417 | 5762 | -1345 | -.30 | 6578 | -2161 | -.49 | | |
| 61: | 4215 | 4526 | -311 | -.07 | 5898 | -1683 | -.40 | | |
| 62: | 4603 | 3913 | 690 | .15 | 5206 | -603 | -.13 | | |
| 63: | 4071 | 5494 | -1423 | -.35 | 6042 | -1971 | -.48 | | |
| 64: | 4677 | 4900 | -223 | -.05 | 5413 | -736 | -.16 | | |
| 65: | 4449 | 5926 | -1477 | -.33 | 5405 | -956 | -.21 | | |
| 66: | 3671 | 5226 | -1555 | -.42 | 5620 | -1949 | -.53 | | |
| 67: | 2743 | 5315 | -2572 | -.94 | 5363 | -2620 | -.96 | | |
| ***** | | | | | | | | | |
| RESULTS | | | | | | | | | |
| MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE | |
| 3079 | 213 | .19 | 3063 | -7 | .19 | 1659 | -452 | .28 | 26 |
| ***** | | | | | | | | | |
| NO OF FIT PARAMETERS = 4 | | | | | | | | | |
| LEAD TIME PARAMETERS : | | | | | | | | | |
| .16 | -1417.71 | -1569.24 | -947.59 | | | | | | |
| PRDC CYCLE PARAMETERS : | | | | | | | | | |
| .17 | 266.02 | -411.57 | -624.12 | | | | | | |

| ***** SEMI PERISHABLES ***** | | | | | | | | | | | | | | | |
|---|-------|-------|-------|------|---------------------|-------|--------|---------|------|------|-------|------|------|-------|------|
| --INTEGRATED AR1 LAG SEASONAL WITH CONSTANT | | | | | | | | | | | | | | | |
| NSN | PCK | DEP | LT | PC | NOMENCLATURE | NDP | ITEM # | MODEL = | 13 | | | | | | |
| 892000165864 | 1 | SDQ | 7 | 3 | FLRWHTB 50 50 LB BG | 77 | 1345 | | | | | | | | |
| ***** PROCEDURE CYCLE ESTIMATES ***** | | | | | | | | | | | | | | | |
| LEAD TIME ESTIMATES | | | | | | | | | | | | | | | |
| MONTH: | ACT | IFCT | ERR | % | ERR | DFCT | ERR | % | ERR | | | | | | |
| 31: | 20476 | 9124 | 11352 | .55 | 12102 | 8374 | .41 | 31: | 8282 | 6430 | 1852 | .22 | 5186 | 3096 | .37 |
| 32: | 20825 | 11188 | 9637 | .46 | 11082 | 9743 | .47 | 32: | 7530 | 8411 | -881 | -.12 | 4750 | 2780 | .37 |
| 33: | 21756 | 12476 | 9280 | .43 | 11748 | 10008 | .46 | 33: | 6067 | 7824 | -1757 | -.29 | 5035 | 1032 | .17 |
| 34: | 22637 | 14153 | 8484 | .37 | 14155 | 8482 | .37 | 34: | 7409 | 7555 | -146 | -.02 | 6066 | 1343 | .18 |
| 35: | 19363 | 16694 | 2669 | .14 | 16073 | 3290 | .17 | 35: | 7684 | 6691 | 993 | .13 | 6888 | 796 | .10 |
| 36: | 18845 | 15298 | 3547 | .19 | 15541 | 3304 | .18 | 36: | 9249 | 4178 | 5071 | .55 | 6661 | 2588 | .28 |
| 37: | 18328 | 20345 | -2017 | -.11 | 19758 | -1430 | -.08 | 37: | 7911 | 2533 | 5378 | .68 | 8468 | -957 | -.07 |
| 38: | 16992 | 18660 | -1668 | -.10 | 19600 | -2608 | -.15 | 38: | 8687 | 5388 | 3299 | .38 | 8400 | 287 | .03 |
| 39: | 18216 | 17029 | 1187 | .07 | 18318 | -102 | -.01 | 39: | 7711 | 2917 | 4794 | .62 | 7850 | -139 | -.02 |
| 40: | 18924 | 14281 | 4643 | .25 | 18713 | 211 | .01 | 40: | 6528 | 1890 | 4648 | .71 | 8020 | -1492 | -.23 |
| 41: | 17397 | 15242 | 2155 | .12 | 19985 | -2588 | -.15 | 41: | 6320 | 2058 | 4262 | .67 | 8565 | -2245 | -.36 |
| 42: | 18397 | 8484 | 9913 | .54 | 17639 | 758 | .04 | 42: | 6175 | 4987 | 1188 | .19 | 7560 | -1385 | -.22 |
| 43: | 19385 | 8778 | 10607 | .55 | 16181 | 3204 | .17 | 43: | 5427 | 1916 | 3511 | .65 | 6935 | -1508 | -.28 |
| 44: | 16308 | 7976 | 8332 | .51 | 19606 | -3298 | -.20 | 44: | 6072 | 2608 | 3464 | .57 | 8403 | -2331 | -.38 |
| 45: | 16888 | 3507 | 13381 | .79 | 17682 | -794 | -.05 | 45: | 6385 | 6419 | -34 | -.01 | 7578 | -1193 | -.19 |
| 46: | 15563 | 6227 | 9336 | .60 | 18301 | -2738 | -.18 | 46: | 7490 | 5817 | 1673 | .22 | 7843 | -353 | -.05 |
| 47: | 14469 | 13578 | 891 | .06 | 19635 | -5166 | -.36 | 47: | 7372 | 7764 | -392 | -.05 | 8415 | -1043 | -.14 |
| 48: | 14586 | 12013 | 2573 | .18 | 18735 | -4149 | -.28 | 48: | 8410 | 8091 | 319 | .04 | 8029 | 381 | .05 |
| 49: | 15342 | 17793 | -2451 | -.16 | 17897 | -2555 | -.17 | 49: | 7774 | 9623 | -1849 | -.24 | 7670 | 104 | .01 |
| 50: | 15313 | 20884 | -5571 | -.36 | 17027 | -1714 | -.11 | 50: | 6892 | 6700 | 192 | .03 | 7297 | -405 | -.06 |
| 51: | 16676 | 16909 | -233 | -.01 | 15508 | 1168 | .07 | 51: | 5348 | 7322 | -1974 | -.37 | 6646 | -1298 | -.24 |
| 52: | 16941 | 18016 | -1075 | -.06 | 14469 | 2472 | .15 | 52: | 4608 | 6130 | -1522 | -.33 | 6201 | -1593 | -.35 |
| 53: | 16778 | 18188 | -1410 | -.08 | 13238 | 3540 | .21 | 53: | 5671 | 6227 | -556 | -.10 | 5674 | -3 | .00 |
| 54: | 15952 | 14529 | 1423 | .09 | 14500 | 1452 | .09 | 54: | 5309 | 6328 | -1019 | -.19 | 6214 | -905 | -.17 |
| 55: | 15164 | 13579 | 1585 | .10 | 14625 | 539 | .04 | 55: | 5920 | 6353 | -433 | -.07 | 6268 | -348 | -.06 |
| 56: | 14959 | 15910 | -951 | -.06 | 16216 | -1257 | -.08 | 56: | 5418 | 7764 | -2346 | -.43 | 6950 | -1532 | -.28 |
| 57: | 13889 | 14432 | -543 | -.04 | 16392 | -2503 | -.18 | 57: | 5780 | 7730 | -1950 | -.34 | 7025 | -1245 | -.22 |
| 58: | 12674 | 17419 | -4745 | -.37 | 18626 | -5952 | -.47 | 58: | 5084 | 8886 | -3802 | -.75 | 7983 | -2899 | -.57 |
| 59: | 12603 | 18568 | -5965 | -.47 | 17479 | -4876 | -.39 | 59: | 4038 | 7710 | -3672 | -.91 | 7491 | -3453 | -.86 |
| 60: | 12777 | 17424 | -4647 | -.36 | 15348 | -2571 | -.20 | 60: | 4417 | 6608 | -2191 | -.50 | 6578 | -2161 | -.49 |
| 61: | 12410 | 16870 | -4460 | -.36 | 13763 | -1353 | -.11 | 61: | 4215 | 4700 | -485 | -.11 | 5898 | -1683 | -.40 |
| 62: | 12033 | 16681 | -4648 | -.39 | 12148 | -115 | -.01 | 62: | 4603 | 3800 | 803 | .17 | 5206 | -603 | -.13 |
| 63: | 11523 | 13972 | -2449 | -.21 | 14098 | -2575 | -.22 | 63: | 4071 | 5471 | -1400 | -.34 | 6042 | -1971 | -.48 |
| 64: | 11316 | 12836 | -1520 | -.13 | 12630 | -1314 | -.12 | 64: | 4677 | 5762 | -1085 | -.23 | 5413 | -736 | -.16 |
| 65: | 10716 | 10990 | -274 | -.03 | 12611 | -1895 | -.18 | 65: | 4449 | 5021 | -572 | -.13 | 5405 | -956 | -.21 |
| 66: | 10176 | 10638 | -462 | -.05 | 13113 | -2937 | -.29 | 66: | 3671 | 5155 | -1484 | -.40 | 5620 | -1949 | -.53 |
| 67: | 10213 | 11160 | -947 | -.09 | 12515 | -2302 | -.23 | 67: | 2743 | 5363 | -2620 | -.96 | 5363 | -2620 | -.96 |
| ***** RESULTS ***** | | | | | | | | | | | | | | | |
| RESULTS | MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE | | | | | | |
| 4244 | 1756 | .26 | 3063 | -7 | .19 | 1990 | 251 | .34 | 1379 | .708 | .26 | | | | |

NO OF FIT PARAMETERS = 3
 LEAD TIME PARAMETERS : .16
 PROC CYCLE PARAMETERS : -.14

***** SEMI PERISHABLES ***** AR2 HARMONIC WITH CONSTANT ***** MODEL = 15
 NSN PCK DEP LT PC NOMENCLATURE NDP ITEM #
 8920001656864 1 SDQ 7 3 FLRHTB 50 50 LB BG 77 1345

| LEAD TIME ESTIMATES | | | | | | | | | | PROCUREMENT CYCLE ESTIMATES | | | | | | | | | |
|---------------------|-------|-------|-------|-------|-------|-------|-------|--------|------|-----------------------------|-------|-------|------|-------|-------|------|------|-------|------|
| MONTH: | ACT | IFCT | ERR | % ERR | DFCT | ERR | % ERR | MONTH: | ACT | IFCT | ERR | % ERR | DFCT | ERR | % ERR | DFCT | ERR | % ERR | DFCT |
| 31: | 20476 | 19372 | 1104 | .05 | 12102 | 8374 | .41 | 31: | 8282 | 6066 | 2216 | .27 | 5186 | 3096 | .37 | 3096 | .37 | | |
| 32: | 20825 | 18240 | 2585 | .12 | 11082 | 9743 | .47 | 32: | 7530 | 5633 | 1897 | .25 | 4750 | 2780 | .37 | 4750 | .37 | | |
| 33: | 21756 | 17416 | 4340 | .20 | 11748 | 10008 | .46 | 33: | 6067 | 6223 | -156 | -.03 | 5035 | 1032 | .17 | 5035 | .17 | | |
| 34: | 22637 | 17107 | 5530 | .24 | 14155 | 8482 | .37 | 34: | 7409 | 7118 | 291 | .04 | 6066 | 1343 | .18 | 6066 | .18 | | |
| 35: | 19363 | 17542 | 1821 | .09 | 16073 | 3290 | .17 | 35: | 7684 | 9116 | -1432 | -.19 | 6888 | 796 | .10 | 6888 | .10 | | |
| 36: | 18445 | 16493 | 2352 | .12 | 15541 | 3304 | .18 | 36: | 9249 | 6829 | 2420 | .26 | 6661 | 2588 | .28 | 6661 | .28 | | |
| 37: | 18328 | 17905 | 423 | .02 | 19758 | -1430 | -.08 | 37: | 7911 | 11074 | -3163 | -.40 | 8468 | -557 | -.07 | 8468 | -.07 | | |
| 38: | 16992 | 17945 | -953 | -.06 | 19600 | -2608 | -.15 | 38: | 8687 | 8133 | 554 | .06 | 8400 | 287 | .03 | 8400 | .03 | | |
| 39: | 18216 | 17391 | 825 | .05 | 18318 | -102 | -.01 | 39: | 7711 | 8156 | -445 | -.06 | 7850 | -139 | -.02 | 7850 | -.02 | | |
| 40: | 18924 | 18950 | 274 | .01 | 18713 | 211 | .01 | 40: | 6528 | 9037 | -2509 | -.38 | 8020 | -1492 | -.23 | 8020 | -.23 | | |
| 41: | 17397 | 20026 | -2629 | -.15 | 19985 | -2588 | -.15 | 41: | 6320 | 8895 | -2575 | -.41 | 8565 | -2245 | -.36 | 8565 | -.36 | | |
| 42: | 18397 | 19302 | -905 | -.05 | 17639 | 758 | .04 | 42: | 6175 | 6250 | 75 | .01 | 7560 | -1385 | -.22 | 7560 | -.22 | | |
| 43: | 19385 | 19374 | 11 | .00 | 16181 | 3204 | .17 | 43: | 5427 | 6751 | -1324 | -.24 | 6935 | -1508 | -.28 | 6935 | -.28 | | |
| 44: | 16308 | 20965 | -4657 | -.29 | 19606 | -3298 | -.20 | 44: | 6072 | 9007 | -2935 | -.48 | 8403 | -2331 | -.38 | 8403 | -.38 | | |
| 45: | 16888 | 19175 | -2287 | -.14 | 17682 | -794 | -.05 | 45: | 6385 | 5292 | 1093 | .17 | 7578 | -1193 | -.19 | 7578 | -.19 | | |
| 46: | 15563 | 18583 | -3020 | -.19 | 18301 | -2738 | -.18 | 46: | 7490 | 7544 | -54 | -.01 | 7843 | -353 | -.05 | 7843 | -.05 | | |
| 47: | 14469 | 18317 | -3848 | -.27 | 19635 | -5166 | -.36 | 47: | 7372 | 7325 | -553 | -.08 | 8415 | -1043 | -.14 | 8415 | -.14 | | |
| 48: | 14586 | 17150 | -2564 | -.18 | 18735 | -4149 | -.28 | 48: | 8410 | 7638 | 772 | .09 | 8029 | 381 | .05 | 8029 | .05 | | |
| 49: | 15342 | 16846 | -1304 | -.08 | 17897 | -2555 | -.17 | 49: | 7774 | 8052 | -278 | -.04 | 7670 | 104 | .01 | 7670 | .01 | | |
| 50: | 15313 | 16976 | -1663 | -.11 | 17027 | -1714 | -.11 | 50: | 6892 | 8411 | -1519 | -.22 | 7297 | -405 | -.06 | 7297 | -.06 | | |
| 51: | 16676 | 17481 | -785 | -.05 | 15508 | 1168 | .07 | 51: | 5348 | 8133 | -2785 | -.52 | 6646 | -1298 | -.24 | 6646 | -.24 | | |
| 52: | 16941 | 18085 | -1144 | -.07 | 14469 | 2472 | .15 | 52: | 4608 | 7871 | -3263 | -.71 | 6201 | -1593 | -.35 | 6201 | -.35 | | |
| 53: | 16778 | 18679 | -1901 | -.11 | 13238 | 3540 | .21 | 53: | 5671 | 7331 | -1660 | -.29 | 5674 | -3 | .00 | 5674 | .00 | | |
| 54: | 15952 | 19397 | -3445 | -.22 | 14500 | 1452 | .09 | 54: | 5309 | 7154 | -1845 | -.35 | 6214 | -905 | -.17 | 6214 | -.17 | | |
| 55: | 15164 | 19530 | -4366 | -.29 | 14625 | 539 | .04 | 55: | 5920 | 6718 | -798 | -.13 | 6268 | -348 | -.06 | 6268 | -.06 | | |
| 56: | 14959 | 19316 | -4357 | -.29 | 16216 | -1257 | -.08 | 56: | 5418 | 6767 | -1349 | -.25 | 6950 | -1532 | -.28 | 6950 | -.28 | | |
| 57: | 13889 | 18613 | -4724 | -.34 | 16392 | -2503 | -.18 | 57: | 5780 | 6712 | -932 | -.16 | 7025 | -1245 | -.22 | 7025 | -.22 | | |
| 58: | 12674 | 17997 | -5323 | -.42 | 18626 | -5952 | -.47 | 58: | 5084 | 7318 | -2234 | -.44 | 7983 | -2899 | -.57 | 7983 | -.57 | | |
| 59: | 12603 | 17012 | -4409 | -.35 | 17479 | -4876 | -.39 | 59: | 4038 | 7404 | -3366 | -.83 | 7491 | -3453 | -.86 | 7491 | -.86 | | |
| 60: | 12777 | 16037 | -3260 | -.26 | 15348 | -2571 | -.20 | 60: | 4417 | 7480 | -3063 | -.69 | 6578 | -2161 | -.49 | 6578 | -.49 | | |
| 61: | 12410 | 15882 | -3472 | -.28 | 13763 | -1353 | -.11 | 61: | 4215 | 7689 | -3474 | -.82 | 5898 | -1683 | -.40 | 5898 | -.40 | | |
| 62: | 12033 | 16169 | -4136 | -.34 | 12148 | -115 | -.01 | 62: | 4603 | 7562 | -2959 | -.64 | 5206 | -603 | -.13 | 5206 | -.13 | | |
| 63: | 11523 | 17148 | -5625 | -.49 | 14098 | -2575 | -.22 | 63: | 4071 | 7851 | -3780 | -.93 | 6042 | -1971 | -.48 | 6042 | -.48 | | |
| 64: | 11316 | 17662 | -6346 | -.56 | 12630 | -1314 | -.12 | 64: | 4677 | 7146 | -2469 | -.53 | 5413 | -736 | -.16 | 5413 | -.16 | | |
| 65: | 10716 | 18202 | -7486 | -.70 | 12611 | -1895 | -.18 | 65: | 4449 | 6858 | -2409 | -.54 | 5405 | -956 | -.21 | 5405 | -.21 | | |
| 66: | 10176 | 18681 | -8505 | -.84 | 13113 | -2337 | -.29 | 66: | 3671 | 6584 | -2913 | -.79 | 5620 | -1949 | -.53 | 5620 | -.53 | | |
| 67: | 10213 | 18347 | -8134 | -.80 | 12515 | -2302 | -.23 | 67: | 2743 | 6158 | -3415 | -.124 | 5363 | -2620 | -.96 | 5363 | -.96 | | |

| RESULTS | MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE |
|---------|------|-------|------|------|------|------|------|-------|------|------|------|------|
| | 3257 | -2216 | .24 | 3063 | -7 | .19 | 1864 | -1365 | .37 | 1379 | -708 | .26 |

NO OF FIT PARAMETERS = 5
 LEAD TIME PARAMETERS : .27 .47 -19.97 -1555.23 15640.26
 PROC CYCLE PARAMETERS : .14 .42 649.09 503.74 5920.01

| SEMI PERISHABLES | | | | | | | | | | MODEL - | | | | | | | | | | 16 | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|------|---------|-------|-------|-------|-------|------|-------|-------|-------|-------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| NSN | | | | | | | | | | ITEM # | | | | | | | | | | 1345 | | | | | | | | | |
| 8920001656864 1 SDQ 7 3 FLRWHTB 50 50 LB BG | | | | | | | | | | NDP | | | | | | | | | | 77 | | | | | | | | | |
| PC NOMENCLATURE | | | | | | | | | | MONTH | | | | | | | | | | PROCUREMENT CYCLE ESTIMATES | | | | | | | | | |
| LEAD TIME ESTIMATES | | | | | | | | | | MONTH | | | | | | | | | | MONTH | | | | | | | | | |
| MONTH: | ACT | IFCT | ERR | % ERR | DFACT | ERR | % ERR | DFACT | ERR | IFCT | ERR | % ERR | DFACT | ERR | IFCT | ERR | % ERR | DFACT | ERR | IFCT | ERR | % ERR | DFACT | ERR | % ERR | DFACT | ERR | % ERR | DFACT |
| 31: | 20476 | 22169 | -1693 | -.08 | 12102 | 8374 | .41 | 31: | 8282 | 8592 | -310 | -.04 | 5186 | 3096 | 8592 | -310 | -.04 | 5186 | 3096 | 8592 | -310 | -.04 | 5186 | 3096 | 8592 | -310 | -.04 | 5186 | 3096 |
| 32: | 20825 | 23319 | -2494 | -.12 | 11082 | 9743 | .47 | 32: | 7530 | 8361 | -831 | -.11 | 4750 | 2780 | 8361 | -831 | -.11 | 4750 | 2780 | 8361 | -831 | -.11 | 4750 | 2780 | 8361 | -831 | -.11 | 4750 | 2780 |
| 33: | 21756 | 24597 | -2841 | -.13 | 11748 | 10008 | .46 | 33: | 6067 | 8412 | -2345 | -.39 | 5035 | 1032 | 8412 | -2345 | -.39 | 5035 | 1032 | 8412 | -2345 | -.39 | 5035 | 1032 | 8412 | -2345 | -.39 | 5035 | 1032 |
| 34: | 22637 | 24500 | -1863 | -.08 | 14155 | 8482 | .37 | 34: | 7409 | 8817 | -1408 | -.19 | 6066 | 1343 | 8817 | -1408 | -.19 | 6066 | 1343 | 8817 | -1408 | -.19 | 6066 | 1343 | 8817 | -1408 | -.19 | 6066 | 1343 |
| 35: | 19363 | 24664 | -5301 | -.27 | 16073 | 3290 | .17 | 35: | 7684 | 9501 | -1817 | -.24 | 6888 | 796 | 9501 | -1817 | -.24 | 6888 | 796 | 9501 | -1817 | -.24 | 6888 | 796 | 9501 | -1817 | -.24 | 6888 | 796 |
| 36: | 18845 | 23095 | -4250 | -.23 | 15541 | 3304 | .18 | 36: | 9249 | 8438 | 811 | .09 | 6661 | 2588 | 8438 | 811 | .09 | 6661 | 2588 | 8438 | 811 | .09 | 6661 | 2588 | 8438 | 811 | .09 | 6661 | 2588 |
| 37: | 18328 | 24068 | -5740 | -.31 | 19758 | -1430 | -.08 | 37: | 7911 | 7201 | 710 | .09 | 8468 | -557 | 7201 | 710 | .09 | 8468 | -557 | 7201 | 710 | .09 | 8468 | -557 | 7201 | 710 | .09 | 8468 | -557 |
| 38: | 16992 | 25214 | -8222 | -.48 | 19600 | -2608 | -.15 | 38: | 8687 | 7576 | 1111 | .13 | 8400 | 287 | 7576 | 1111 | .13 | 8400 | 287 | 7576 | 1111 | .13 | 8400 | 287 | 7576 | 1111 | .13 | 8400 | 287 |
| 39: | 18216 | 21605 | -3389 | -.19 | 18318 | -102 | -.01 | 39: | 7711 | 5192 | 2519 | .33 | 7850 | -139 | 5192 | 2519 | .33 | 7850 | -139 | 5192 | 2519 | .33 | 7850 | -139 | 5192 | 2519 | .33 | 7850 | -139 |
| 40: | 18924 | 19479 | -555 | -.03 | 18713 | 211 | .01 | 40: | 6528 | 6137 | 391 | .06 | 8020 | -1492 | 6137 | 391 | .06 | 8020 | -1492 | 6137 | 391 | .06 | 8020 | -1492 | 6137 | 391 | .06 | 8020 | -1492 |
| 41: | 17397 | 20555 | -3158 | -.18 | 19985 | -2588 | -.15 | 41: | 6320 | 6566 | -246 | -.04 | 8565 | -2245 | 6566 | -246 | -.04 | 8565 | -2245 | 6566 | -246 | -.04 | 8565 | -2245 | 6566 | -246 | -.04 | 8565 | -2245 |
| 42: | 18397 | 17083 | 1314 | .07 | 17639 | 758 | .04 | 42: | 6175 | 7893 | -1718 | -.28 | 7560 | -1385 | 7893 | -1718 | -.28 | 7560 | -1385 | 7893 | -1718 | -.28 | 7560 | -1385 | 7893 | -1718 | -.28 | 7560 | -1385 |
| 43: | 19385 | 14632 | 4753 | .25 | 16181 | 3204 | .17 | 43: | 5427 | 6671 | -1244 | -.23 | 6935 | -1508 | 6671 | -1244 | -.23 | 6935 | -1508 | 6671 | -1244 | -.23 | 6935 | -1508 | 6671 | -1244 | -.23 | 6935 | -1508 |
| 44: | 16308 | 15468 | 840 | .05 | 19606 | -3298 | -.20 | 44: | 6072 | 7657 | -1585 | -.26 | 8403 | -2331 | 7657 | -1585 | -.26 | 8403 | -2331 | 7657 | -1585 | -.26 | 8403 | -2331 | 7657 | -1585 | -.26 | 8403 | -2331 |
| 45: | 16888 | 15527 | 1361 | .08 | 17882 | -794 | -.05 | 45: | 6385 | 8976 | -2591 | -.41 | 7578 | -1193 | 8976 | -2591 | -.41 | 7578 | -1193 | 8976 | -2591 | -.41 | 7578 | -1193 | 8976 | -2591 | -.41 | 7578 | -1193 |
| 46: | 15563 | 14617 | 946 | .06 | 18301 | -2738 | -.18 | 46: | 7490 | 7279 | 211 | .03 | 7843 | -353 | 7279 | 211 | .03 | 7843 | -353 | 7279 | 211 | .03 | 7843 | -353 | 7279 | 211 | .03 | 7843 | -353 |
| 47: | 14469 | 17133 | -2664 | -.18 | 19635 | -5166 | -.36 | 47: | 7372 | 7783 | -411 | -.06 | 8415 | -1043 | 7783 | -411 | -.06 | 8415 | -1043 | 7783 | -411 | -.06 | 8415 | -1043 | 7783 | -411 | -.06 | 8415 | -1043 |
| 48: | 14586 | 16926 | -2340 | -.16 | 18735 | -4149 | -.28 | 48: | 8410 | 6967 | 1443 | .17 | 8029 | 381 | 6967 | 1443 | .17 | 8029 | 381 | 6967 | 1443 | .17 | 8029 | 381 | 6967 | 1443 | .17 | 8029 | 381 |
| 49: | 15242 | 16849 | -1507 | -.10 | 17897 | -2555 | -.17 | 49: | 7774 | 7298 | 476 | .06 | 7670 | 104 | 7298 | 476 | .06 | 7670 | 104 | 7298 | 476 | .06 | 7670 | 104 | 7298 | 476 | .06 | 7670 | 104 |
| 50: | 15313 | 17830 | -2517 | -.16 | 17027 | -1714 | -.11 | 50: | 6892 | 6922 | -30 | .00 | 7297 | -405 | 6922 | -30 | .00 | 7297 | -405 | 6922 | -30 | .00 | 7297 | -405 | 6922 | -30 | .00 | 7297 | -405 |
| 51: | 16676 | 17175 | -499 | -.03 | 15508 | 1168 | .07 | 51: | 5348 | 7505 | -2157 | -.40 | 6646 | -1298 | 7505 | -2157 | -.40 | 6646 | -1298 | 7505 | -2157 | -.40 | 6646 | -1298 | 7505 | -2157 | -.40 | 6646 | -1298 |
| 52: | 16941 | 16705 | 236 | .01 | 14469 | 2472 | .15 | 52: | 4608 | 7884 | -3276 | -.71 | 6201 | -1593 | 7884 | -3276 | -.71 | 6201 | -1593 | 7884 | -3276 | -.71 | 6201 | -1593 | 7884 | -3276 | -.71 | 6201 | -1593 |
| 53: | 16778 | 17469 | -691 | -.04 | 13238 | 3540 | .21 | 53: | 5671 | 7902 | -2231 | -.39 | 5674 | -3 | 7902 | -2231 | -.39 | 5674 | -3 | 7902 | -2231 | -.39 | 5674 | -3 | 7902 | -2231 | -.39 | 5674 | -3 |
| 54: | 15952 | 17006 | -1054 | -.07 | 14500 | 1452 | .09 | 54: | 5309 | 7979 | -2670 | -.50 | 6214 | -348 | 7979 | -2670 | -.50 | 6214 | -348 | 7979 | -2670 | -.50 | 6214 | -348 | 7979 | -2670 | -.50 | 6214 | -348 |
| 55: | 15164 | 16596 | -1432 | -.09 | 14825 | 539 | .04 | 55: | 5920 | 8466 | -2546 | -.43 | 6268 | -1532 | 8466 | -2546 | -.43 | 6268 | -1532 | 8466 | -2546 | -.43 | 6268 | -1532 | 8466 | -2546 | -.43 | 6268 | -1532 |
| 56: | 14959 | 18143 | -3184 | -.21 | 16216 | -1257 | -.08 | 56: | 5920 | 8466 | -2546 | -.43 | 6268 | -1532 | 8466 | -2546 | -.43 | 6268 | -1532 | 8466 | -2546 | -.43 | 6268 | -1532 | 8466 | -2546 | -.43 | 6268 | -1532 |
| 57: | 13889 | 17838 | -3949 | -.28 | 16392 | -2503 | -.18 | 57: | 5780 | 8082 | -2302 | -.40 | 7025 | -1245 | 8082 | -2302 | -.40 | 7025 | -1245 | 8082 | -2302 | -.40 | 7025 | -1245 | 8082 | -2302 | -.40 | 7025 | -1245 |
| 58: | 12674 | 18559 | -5885 | -.46 | 18626 | -5952 | -.37 | 58: | 5084 | 7610 | -2526 | -.50 | 7983 | -2899 | 7610 | -2526 | -.50 | 7983 | -2899 | 7610 | -2526 | -.50 | 7983 | -2899 | 7610 | -2526 | -.50 | 7983 | -2899 |
| 59: | 12603 | 19109 | -6506 | -.52 | 17479 | -4876 | -.49 | 59: | 4038 | 7722 | -3684 | -.91 | 7491 | -3453 | 7722 | -3684 | -.91 | 7491 | -3453 | 7722 | -3684 | -.91 | 7491 | -3453 | 7722 | -3684 | -.91 | 7491 | -3453 |
| 60: | 12777 | 18653 | -5876 | -.46 | 15348 | -2571 | -.20 | 60: | 4417 | 6875 | -2458 | -.56 | 6578 | -2161 | 6875 | -2458 | -.56 | 6578 | -2161 | 6875 | -2458 | -.56 | 6578 | -2161 | 6875 | -2458 | -.56 | 6578 | -2161 |
| 61: | 12410 | 18126 | -5716 | -.46 | 13763 | -1353 | -.11 | 61: | 4215 | 6999 | -2784 | -.66 | 5898 | -1683 | 6999 | -2784 | -.66 | 5898 | -1683 | 6999 | -2784 | -.66 | 5898 | -1683 | 6999 | -2784 | -.66 | 5898 | -1683 |
| 62: | 12033 | 18099 | -6066 | -.50 | 12148 | -115 | -.01 | 62: | 4603 | 7290 | -2687 | -.58 | 5206 | -603 | 7290 | -2687 | -.58 | 5206 | -603 | 7290 | -2687 | -.58 | 5206 | -603 | 7290 | -2687 | -.58 | 5206 | -603 |
| 63: | 11523 | 17465 | -5942 | -.52 | 14098 | -2575 | -.22 | 63: | 4071 | 8086 | -4015 | -.99 | 6042 | -1971 | 8086 | -4015 | -.99 | 6042 | -1971 | 8086 | -4015 | -.99 | 6042 | -1971 | 8086 | -4015 | -.99 | 6042 | -1971 |
| 64: | 11316 | 17324 | -6008 | -.53 | 12630 | -1314 | -.12 | 64: | 4677 | 8393 | -3716 | -.79 | 5413 | -736 | 8393 | -3716 | -.79 | 5413 | -736 | 8393 | -3716 | -.79 | 5413 | -736 | 8393 | -3716 | -.79 | 5413 | -736 |
| 65: | 10716 | 17060 | -6344 | -.59 | 12611 | -1895 | -.18 | 65: | 4449 | 7608 | -3159 | -.71 | 5405 | -956 | 7608 | -3159 | -.71 | 5405 | -956 | 7608 | -3159 | -.71 | 5405 | -956 | 7608 | -3159 | -.71 | 5405 | -956 |
| 66: | 10176 | 17441 | -7265 | -.71 | 13113 | -2937 | -.29 | 66: | 3671 | 7892 | -4221 | -1.15 | 5620 | -1949 | 7892 | -4221 | -1.15 | 5620 | -1949 | 7892 | -4221 | -1.15 | 5620 | -1949 | 7892 | -4221 | -1.15 | 5620 | -1949 |
| 67: | 10213 | 17464 | -7251 | -.71 | 12515 | -2302 | -.23 | 67: | 2743 | 7516 | -4773 | -1.74 | 5363 | -2620 | 7516 | -4773 | -1.74 | 5363 | -2620 | 7516 | -4773 | -1.74 | 5363 | -2620 | 7516 | -4773 | -1.74 | 5363 | -2620 |

NO OF FIT PARAMETERS = 4
 LEAD TIME PARAMETERS :
 PROC CYCLE PARAMETERS :

| SEMI PERISHABLES | | | | | | | | | | INTEGRATED AR2 WITH CONSTANT | | | | | | | | | | MODEL - | | | | | | | | | | ITEM # | | | | | | | | | |
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| MONTH: | | | | | | | | | | LEAD TIME ESTIMATES | | | | | | | | | | PROCUREMENT CYCLE ESTIMATES | | | | | | | | | | ERR | | | | | | | | | |
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***** SEMI PERISHABLES --- AR3 HARMONIC WITH CONSTANT NSN PCK DEP LT PC NOMENCLATURE 8920001656864 1 SDQ 7 3 FLRHTB 50 50 LB BG *****

MODEL = 21

***** NSN PCK DEP LT PC NOMENCLATURE 8920001656864 1 SDQ 7 3 FLRHTB 50 50 LB BG *****

| LEAD TIME ESTIMATES | | | | | | | | | | PROCUREMENT CYCLE ESTIMATES | | | | | | | | | |
|---------------------|-------|-------|-------|-------|-------|-------|-------|--------|------|-----------------------------|-------|-------|------|-------|-------|--|--|--|--|
| MONTH: | ACT | IFCT | ERR | % ERR | DFCT | ERR | % ERR | MONTH: | ACT | IFCT | ERR | % ERR | DFCT | ERR | % ERR | | | | |
| 31: | 20476 | 19527 | 949 | .05 | 12102 | 8374 | .41 | 31: | 8282 | 6727 | 1555 | .19 | 5186 | 3096 | .37 | | | | |
| 32: | 20825 | 18271 | 2554 | .12 | 11082 | 9743 | .47 | 32: | 7530 | 6056 | 1474 | .20 | 4750 | 2780 | .37 | | | | |
| 33: | 21756 | 17379 | 4377 | .20 | 11748 | 10008 | .46 | 33: | 6067 | 6904 | -837 | -.14 | 5035 | 1032 | .17 | | | | |
| 34: | 22637 | 16539 | 6098 | .27 | 14155 | 8482 | .37 | 34: | 7409 | 7925 | -516 | -.07 | 6066 | 1343 | .18 | | | | |
| 35: | 19363 | 16952 | 2411 | .12 | 16073 | 3290 | .17 | 35: | 7684 | 9527 | -1843 | -.24 | 6888 | 796 | .10 | | | | |
| 36: | 18845 | 15889 | 2956 | .16 | 15541 | 3304 | .18 | 36: | 9249 | 7410 | 1839 | .20 | 6661 | 2588 | .28 | | | | |
| 37: | 18328 | 18564 | -236 | -.01 | 19758 | -1430 | -.08 | 37: | 7911 | 8533 | -622 | -.08 | 8468 | -557 | -.07 | | | | |
| 38: | 16992 | 16544 | 448 | .03 | 19600 | -2608 | -.15 | 38: | 8687 | 9976 | -1289 | -.15 | 8400 | 287 | .03 | | | | |
| 39: | 18216 | 18622 | -406 | -.02 | 18318 | -102 | -.01 | 39: | 7711 | 5131 | 2580 | .33 | 7850 | -139 | -.02 | | | | |
| 40: | 18924 | 18620 | 304 | .02 | 18713 | 211 | .01 | 40: | 6528 | 8434 | -1906 | -.29 | 8020 | -1492 | -.23 | | | | |
| 41: | 17397 | 19515 | -2118 | -.12 | 19985 | -2588 | -.15 | 41: | 6320 | 9760 | -3440 | -.54 | 8565 | -2245 | -.36 | | | | |
| 42: | 18397 | 19282 | -885 | -.05 | 17639 | 758 | .04 | 42: | 6175 | 6551 | -376 | -.06 | 7560 | -1385 | -.22 | | | | |
| 43: | 19385 | 20021 | -636 | -.03 | 16181 | 3204 | .17 | 43: | 5427 | 4978 | 449 | .08 | 6935 | -1508 | -.28 | | | | |
| 44: | 16308 | 20609 | -4301 | -.26 | 19606 | -3298 | -.20 | 44: | 6072 | 9815 | -3743 | -.62 | 8403 | -2331 | -.38 | | | | |
| 45: | 16888 | 18836 | -1948 | -.12 | 17682 | -794 | -.05 | 45: | 6385 | 7748 | -1363 | -.21 | 7578 | -1193 | -.19 | | | | |
| 46: | 15563 | 19467 | -3904 | -.25 | 18301 | -2738 | -.18 | 46: | 7490 | 4299 | 3191 | .43 | 7843 | -353 | -.05 | | | | |
| 47: | 14669 | 17770 | -3301 | -.23 | 19635 | -5166 | -.36 | 47: | 7372 | 9368 | -1996 | -.27 | 8415 | -1043 | -.14 | | | | |
| 48: | 14586 | 17060 | -2474 | -.17 | 18735 | -4149 | -.28 | 48: | 8410 | 7304 | 1106 | .13 | 8029 | 381 | .05 | | | | |
| 49: | 15342 | 16844 | -1502 | -.10 | 17897 | -2555 | -.17 | 49: | 7774 | 6972 | 802 | .10 | 7670 | 104 | .01 | | | | |
| 50: | 15313 | 16580 | -1267 | -.08 | 17027 | -1714 | -.11 | 50: | 6892 | 8652 | -1760 | -.26 | 7297 | -405 | -.06 | | | | |
| 51: | 16676 | 16964 | -288 | -.02 | 15508 | 1168 | .07 | 51: | 5348 | 8459 | -3111 | -.58 | 6646 | -1298 | -.24 | | | | |
| 52: | 16941 | 17867 | -926 | -.05 | 14669 | 2472 | .15 | 52: | 4608 | 7785 | -3177 | -.69 | 6201 | -1593 | -.35 | | | | |
| 53: | 16778 | 18452 | -1674 | -.10 | 13238 | 3540 | .21 | 53: | 5671 | 7742 | -2071 | -.37 | 5674 | -3 | .00 | | | | |
| 54: | 15952 | 19205 | -3253 | -.20 | 14500 | 1452 | .09 | 54: | 5309 | 7450 | -2141 | -.40 | 6214 | -905 | -.17 | | | | |
| 55: | 15164 | 19318 | -4154 | -.27 | 14625 | 539 | .04 | 55: | 5920 | 7250 | -1330 | -.22 | 6268 | -348 | -.06 | | | | |
| 56: | 14959 | 19443 | -4484 | -.30 | 16216 | -1257 | -.08 | 56: | 5418 | 6756 | -1338 | -.25 | 6950 | -1532 | -.28 | | | | |
| 57: | 13889 | 18580 | -4691 | -.34 | 16392 | -2503 | -.18 | 57: | 5780 | 6904 | -1124 | -.19 | 7025 | -1245 | -.22 | | | | |
| 58: | 12674 | 18085 | -5411 | -.43 | 18626 | -5952 | -.47 | 58: | 5084 | 7135 | -2051 | -.40 | 7983 | -2899 | -.57 | | | | |
| 59: | 12603 | 16856 | -4253 | -.34 | 17479 | -4876 | -.39 | 59: | 4038 | 7530 | -3492 | -.86 | 7491 | -3453 | -.86 | | | | |
| 60: | 12777 | 16200 | -3423 | -.27 | 15348 | -2571 | -.20 | 60: | 4417 | 7051 | -2634 | -.60 | 6578 | -2161 | -.49 | | | | |
| 61: | 12410 | 15576 | -3166 | -.26 | 13763 | -1353 | -.11 | 61: | 4215 | 7717 | -3502 | -.83 | 5898 | -1683 | -.40 | | | | |
| 62: | 12033 | 15544 | -3511 | -.29 | 12148 | -115 | -.01 | 62: | 4603 | 7896 | -3293 | -.72 | 5206 | -603 | -.13 | | | | |
| 63: | 11523 | 16611 | -5088 | -.44 | 14098 | -2575 | -.22 | 63: | 4071 | 8046 | -3975 | -.98 | 6042 | -1971 | -.48 | | | | |
| 64: | 11316 | 17057 | -5741 | -.51 | 12630 | -1314 | -.12 | 64: | 4677 | 7588 | -2911 | -.62 | 5413 | -736 | -.16 | | | | |
| 65: | 10716 | 18274 | -7558 | -.71 | 12611 | -1895 | -.18 | 65: | 4449 | 6672 | -2223 | -.50 | 5405 | -956 | -.21 | | | | |
| 66: | 10176 | 18262 | -8086 | -.79 | 13113 | -2937 | -.29 | 66: | 3671 | 7037 | -3366 | -.92 | 5620 | -1949 | -.53 | | | | |
| 67: | 10213 | 18333 | -8120 | -.80 | 12515 | -2302 | -.23 | 67: | 2743 | 6330 | -3587 | -1.31 | 5363 | -2620 | -.96 | | | | |

| RESULTS | MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE |
|---------|------|-------|------|------|------|------|------|-------|------|------|------|------|-----|------|------|
| | 3159 | -2073 | .23 | 3063 | -7 | .19 | 2108 | -1406 | .41 | 1379 | -708 | .26 | | | |

NO OF FIT PARAMETERS = 6
 LEAD TIME PARAMETERS :
 PROC CYCLE PARAMETERS :

| SEMI PERISHABLES | | | | | | | | | | MODEL = 22 | | | | | | | | | | | |
|-----------------------------------|-------|-------|-------|-------|--------------|-------|-------|--------|-------------------|-----------------------------|--------|-------|-------|-------|-------|------|-------|------|------|------|-----|
| -- AR3 LAG SEASONAL WITH CONSTANT | | | | | | | | | | | | | | | | | | | | | |
| NSN | PCK | DEP | LT | PC | NOMENCLATURE | SDQ | 7 | 3 | FLRWB 50 50 LB BG | NOP | ITEM # | | | | | | | | | | |
| 8920001656864 | 1 | | | | | | | | | 77 | 1345 | | | | | | | | | | |
| LEAD TIME ESTIMATES | | | | | | | | | | PROCUREMENT CYCLE ESTIMATES | | | | | | | | | | | |
| MONTH: | ACT | IFCT | ERR | % ERR | DFACT | ERR | % ERR | MONTH: | ACT | IFCT | ERR | % ERR | DFACT | ERR | % ERR | | | | | | |
| 31: | 20476 | 22480 | -2004 | -10 | 12102 | 8374 | .41 | 31: | 8282 | 8882 | -600 | -.07 | 5186 | 3096 | .37 | | | | | | |
| 32: | 20825 | 23065 | -2240 | -11 | 11082 | 9743 | .47 | 32: | 7530 | 8773 | -1243 | -.17 | 4750 | 2780 | .37 | | | | | | |
| 33: | 21756 | 24150 | -2394 | -11 | 11748 | 10008 | .46 | 33: | 6067 | 8620 | -2553 | -.42 | 5035 | 1032 | .17 | | | | | | |
| 34: | 22637 | 23574 | -937 | -.04 | 14155 | 8482 | .37 | 34: | 7409 | 8863 | -1454 | -.20 | 6066 | 1343 | .18 | | | | | | |
| 35: | 19363 | 23862 | -4499 | -.23 | 18073 | 3290 | .17 | 35: | 7684 | 9556 | -1872 | -.24 | 6888 | 796 | .10 | | | | | | |
| 36: | 18845 | 22248 | -3403 | -.18 | 15541 | 3304 | .18 | 36: | 9249 | 8684 | 565 | .06 | 6661 | 2588 | .28 | | | | | | |
| 37: | 18328 | 25107 | -6779 | -.37 | 19758 | -1430 | -.08 | 37: | 7911 | 7545 | 366 | .05 | 8468 | -557 | -.07 | | | | | | |
| 38: | 16992 | 23991 | -6999 | -.41 | 19600 | -2608 | -.15 | 38: | 6887 | 6905 | 1782 | .21 | 8400 | 287 | .03 | | | | | | |
| 39: | 18216 | 22979 | -4763 | -.26 | 18318 | -102 | -.01 | 39: | 7711 | 6034 | 1677 | .22 | 7850 | -139 | -.02 | | | | | | |
| 40: | 18924 | 19759 | -835 | -.04 | 18713 | 211 | .01 | 40: | 6528 | 5920 | 608 | .09 | 8020 | -1492 | -.23 | | | | | | |
| 41: | 17397 | 20141 | -2744 | -.16 | 19985 | -2588 | -.15 | 41: | 6320 | 5822 | 498 | .08 | 8565 | -2245 | -.36 | | | | | | |
| 42: | 18397 | 16776 | 1621 | .09 | 17639 | 758 | .04 | 42: | 6175 | 8089 | -1914 | -.31 | 7560 | -1385 | -.22 | | | | | | |
| 43: | 19385 | 15760 | 3625 | .19 | 16181 | 3204 | .17 | 43: | 5427 | 7178 | -1751 | -.32 | 6935 | -1508 | -.28 | | | | | | |
| 44: | 16308 | 14983 | 1325 | .08 | 18606 | -3298 | -.20 | 44: | 6072 | 7047 | -975 | -.16 | 8403 | -2331 | -.38 | | | | | | |
| 45: | 16888 | 14560 | 2328 | .14 | 17682 | -794 | -.05 | 45: | 6385 | 8600 | -2215 | -.35 | 7578 | -1193 | -.19 | | | | | | |
| 46: | 15563 | 15446 | 117 | .01 | 18301 | -2738 | -.18 | 46: | 7490 | 8387 | -897 | -.12 | 7843 | -353 | -.05 | | | | | | |
| 47: | 14469 | 16593 | -2124 | -.15 | 19635 | -5166 | -.36 | 47: | 7372 | 7094 | 278 | .04 | 8415 | -1043 | -.14 | | | | | | |
| 48: | 14586 | 16947 | -2361 | -.16 | 18735 | -4149 | -.28 | 48: | 8410 | 6975 | 1435 | .17 | 8029 | 381 | .05 | | | | | | |
| 49: | 15342 | 17268 | -1926 | -.13 | 17897 | -2555 | -.17 | 49: | 7774 | 7825 | -51 | -.01 | 7670 | 104 | .01 | | | | | | |
| 50: | 15313 | 17640 | -2327 | -.15 | 17027 | -1714 | -.11 | 50: | 6892 | 6606 | 286 | .04 | 7297 | -405 | -.06 | | | | | | |
| 51: | 16676 | 16922 | -246 | -.01 | 15508 | 1168 | .07 | 51: | 5348 | 7358 | -2010 | -.38 | 6646 | -1298 | -.24 | | | | | | |
| 52: | 16941 | 16727 | 214 | .01 | 14469 | 2472 | .15 | 52: | 4608 | 8052 | -3444 | -.75 | 6201 | -1593 | -.35 | | | | | | |
| 53: | 16778 | 17270 | -492 | -.03 | 13238 | 3540 | .21 | 53: | 5671 | 7882 | -2211 | -.39 | 5674 | -3 | .00 | | | | | | |
| 54: | 15952 | 16769 | -817 | -.05 | 14500 | 1452 | .09 | 54: | 5309 | 7969 | -2660 | -.50 | 6214 | -905 | -.17 | | | | | | |
| 55: | 15164 | 16210 | -1046 | -.07 | 14625 | 539 | .04 | 55: | 5920 | 8441 | -2521 | -.43 | 6268 | -348 | -.06 | | | | | | |
| 56: | 14959 | 18131 | -3172 | -.21 | 16216 | -1257 | -.08 | 56: | 5418 | 8337 | -2919 | -.54 | 6950 | -1532 | -.28 | | | | | | |
| 57: | 13889 | 17668 | -3779 | -.27 | 16392 | -2503 | -.18 | 57: | 5780 | 8109 | -2329 | -.40 | 7025 | -1245 | -.22 | | | | | | |
| 58: | 12674 | 18644 | -5970 | -.47 | 18626 | -5952 | -.47 | 58: | 5084 | 7694 | -2610 | -.51 | 7983 | -2899 | -.57 | | | | | | |
| 59: | 12603 | 19021 | -6418 | -.51 | 17479 | -4876 | -.39 | 59: | 4038 | 7702 | -3664 | -.91 | 7491 | -3453 | -.86 | | | | | | |
| 60: | 12777 | 18997 | -6220 | -.49 | 15348 | -2571 | -.20 | 60: | 4417 | 7068 | -2651 | -.60 | 6578 | -2161 | -.49 | | | | | | |
| 61: | 12410 | 18089 | -5679 | -.46 | 13763 | -1353 | -.11 | 61: | 4215 | 6905 | -2690 | -.64 | 5898 | -1683 | -.40 | | | | | | |
| 62: | 12033 | 17805 | -5772 | -.48 | 12148 | -115 | -.01 | 62: | 4603 | 7090 | -2487 | -.54 | 5206 | -603 | -.13 | | | | | | |
| 63: | 11523 | 17215 | -5692 | -.49 | 14098 | -2575 | -.22 | 63: | 4071 | 8072 | -4001 | -.98 | 6042 | -1971 | -.48 | | | | | | |
| 64: | 11316 | 16879 | -5563 | -.48 | 12630 | -1314 | -.12 | 64: | 4677 | 8383 | -3706 | -.79 | 5413 | -736 | -.16 | | | | | | |
| 65: | 10716 | 17195 | -6479 | -.60 | 12611 | -1895 | -.18 | 65: | 4449 | 7886 | -3437 | -.77 | 5405 | -956 | -.21 | | | | | | |
| 66: | 10176 | 17004 | -6828 | -.67 | 13113 | -2937 | -.29 | 66: | 3671 | 7772 | -4101 | -.12 | 5620 | -1949 | -.53 | | | | | | |
| 67: | 10213 | 17345 | -7132 | -.70 | 12515 | -2302 | -.23 | 67: | 2743 | 7561 | -4818 | -.76 | 5363 | -2620 | -.96 | | | | | | |
| RESULTS | | | | | | | | | | MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE | | | |
| | | | | | | | | | | 3429 | -2930 | .25 | 3063 | -7 | .19 | 2035 | -1629 | .41 | 1379 | -708 | .26 |

NO OF FIT PARAMETERS = 5
 LEAD TIME PARAMETERS :
 .34
 .31
 PRODCYCLE PARAMETERS :
 .40 22063.80
 .50 9069.84

| SEMI PERISHABLES | | | | | | | | | | INTEGRATED AR3 WITH CONSTANT | | | | | | | | | | MODEL = | | | | | | | | | | 23 | | | | | | | | | |
|------------------|--|--|--|--|--|--|--|--|--|-------------------------------|--|--|--|--|--|--|--|--|--|-----------------------------|--|--|--|--|--|--|--|--|--|--------|--|--|--|--|--|--|--|--|--|
| NSN | | | | | | | | | | PCK DEP LT PC NOMENCLATURE | | | | | | | | | | NDP | | | | | | | | | | ITEM # | | | | | | | | | |
| 8920001656864 | | | | | | | | | | 1 SDQ 7 3 FLRWHTB 50 50 LB BG | | | | | | | | | | 77 | | | | | | | | | | 1345 | | | | | | | | | |
| MONTH: | | | | | | | | | | LEAD TIME ESTIMATES | | | | | | | | | | PROCUREMENT CYCLE ESTIMATES | | | | | | | | | | | | | | | | | | | |
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--- PORK, SPARERIBS, FROZEN
 NSN: 8905001268743 ITEM NO: 00520 LEADTIME: 3 PROC CYCLE: 1 RIC/DEPOT LA
 CHILL CODE: 2 SHELF LIFE: 06 VSL: 4 UI: LB NET WGT: 000052 SUPPLY CODE: ISSUE CODE: 0 FLEET CODE: 0
 MEAN: 78333 STDEV: 23489 MAD: 18760 MEDIAN: 76939 T-MEAN 77683 MAD/SD: .80 C/VAR: .30 C/SKEW: .12 C/EXC: .49

TREND 47.6 (DF: 4 F: 21.6) SEAS 28.2 (DF: 11 F: 4.7) RAND 24.2 (DF: 44)
 SEAS: 106.8 85.8 77.1 77.4 86.1 89.8 102.3 120.0 121.9 119.3 108.6 104.9
 TREND: 103.9 119.4 119.6 92.0 65.0

% POS CHANGES: 50.7 53.0 46.2 46.9 46.0 41.9 44.3 41.7 39.0 43.1 38.6 28.6
 % TURNS: 28.4 19.7 20.0 17.2 17.5 21.0 21.3 15.0 15.3 15.5 15.8 19.6

RAW DATA
 MEAN STDEV
 78333 23489
 RAW INT
 CROSS CORR
 * CROSS INTEG

| | MEAN | RMSE | THEIL | BIAS | REGR | DIST | OLC | RMSE | OLC | THEIL |
|------------|--------|-------|-------|------|------|------|-------|------|-----|-------|
| IARIC HARM | -3901 | 18982 | .65 | .04 | 10 | .86 | 17608 | .60 | | |
| IAR2C HARM | -3897 | 19203 | .65 | .04 | 10 | .86 | 17821 | .61 | | |
| IAR3C HARM | -4166 | 19926 | .68 | .04 | 07 | .88 | 18703 | .64 | | |
| AR3C HARM | -9302 | 21371 | .73 | .19 | 01 | .80 | 19134 | .65 | | |
| AR2C HARM | -9784 | 21821 | .74 | .20 | 01 | .79 | 19380 | .66 | | |
| AR1C HARM | -10512 | 22283 | .76 | .23 | 01 | .77 | 19501 | .66 | | |
| AR1C LAG | -3682 | 23031 | .79 | .03 | 00 | .97 | 22715 | .77 | | |
| LAST YEAR | -7671 | 23112 | .79 | .11 | 06 | .83 | 21077 | .72 | | |
| 12-MO AVG | -5102 | 23229 | .79 | .05 | 01 | .94 | 22499 | .77 | | |
| AR2C LAG | -3407 | 23437 | .80 | .02 | 00 | .97 | 23141 | .79 | | |
| IAR2C LAG | -3543 | 24050 | .82 | .02 | 21 | .76 | 21013 | .72 | | |
| IAR1C LAG | -3660 | 24083 | .82 | .02 | 20 | .78 | 21219 | .72 | | |
| AR1C | -8485 | 24309 | .83 | .12 | 05 | .83 | 22112 | .75 | | |
| AR3C | -9859 | 24340 | .83 | .17 | 08 | .76 | 21183 | .72 | | |
| AR2C | -8813 | 24408 | .83 | .13 | 06 | .81 | 21964 | .75 | | |
| AR3C LAG | -3003 | 24667 | .84 | .02 | 03 | .96 | 24118 | .82 | | |
| IAR3C LAG | -3763 | 24940 | .85 | .02 | 22 | .75 | 21647 | .74 | | |
| 18-MO AVG | -5798 | 25827 | .88 | .05 | 01 | .94 | 24982 | .85 | | |
| DLA-III | -2170 | 26848 | .92 | .01 | 25 | .74 | 23117 | .79 | | |
| GLOBAL MN | -10015 | 27109 | .92 | .14 | 03 | .83 | 24662 | .84 | | |
| IAR2C | -2039 | 28149 | .96 | .01 | 29 | .70 | 23614 | .80 | | |
| IAR3C | -1572 | 28751 | .98 | .00 | 31 | .69 | 23885 | .81 | | |
| IAR1C | -2287 | 28852 | .98 | .01 | 30 | .69 | 24033 | .82 | | |
| LAST LT/PC | -2344 | 29337 | 1.00 | .01 | 29 | .70 | 24620 | .84 | | |
| 6-MO AVG | -3176 | 31077 | 1.06 | .01 | 30 | .69 | 25730 | .88 | | |

--- PORK, SPARERIBS, FROZEN
 NSN: 8905001268743 ITEM NO: 00520 LEADTIME: 3 PROC CYCLE: 1 RIC/DEPOT :LA
 CHILL CODE: 2 SHELF LIFE: 06 VSL: 4 UI: LB NET WGT: 000052 SUPPLY CODE: ISSUE CODE: FLEET CODE: 0
 MEAN: 25710 STDEV: 9945 MAD: 7876 MEDIAN: 26609 T-MEAN 25493 MAD/SD: .79 C/VAR: .39 C/SKEW: .59 C/EXC: .86

TREND 33.1 (DF: 4 F: 9.9) SEAS 29.9 (DF: 11 F: 3.2) RAND 36.9 (DF: 44)

SEAS: 60.3 92.4 84.7 86.8 103.9 123.2 141.1 109.6 115.3 108.1 98.4 76.3
 TREND: 108.5 120.8 118.0 91.7 61.0

% POS CHANGES: 52.2 50.0 49.2 50.0 48.0 43.5 37.7 43.3 39.0 34.5 33.3 32.1
 % TURNS: 49.3 31.8 30.8 31.3 23.8 27.4 29.5 23.3 23.7 31.0 28.1 39.3

| RAW DATA | MEAN STDEV | | | | | | | | | | | | BIAS | REGR | DIST | OLC RMSE | OLC THEIL |
|------------|------------|---|---|---|---|---|---|---|---|----|----|----|-------|------|------|----------|-----------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | | | | |
| 25710 9945 | + | + | + | + | + | + | + | + | + | + | + | + | 26.5 | .07 | .04 | .89 | .62 |
| 9431 | + | + | + | + | + | + | + | + | + | + | + | + | 26.6 | .05 | .09 | .86 | .62 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 31.0 | .03 | .02 | .95 | .65 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 27.3 | .24 | .00 | .76 | .60 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 12.6 | .12 | .10 | .78 | .62 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 28.0 | .25 | .00 | .75 | .61 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 61.3 | .07 | .01 | .92 | .67 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 35.0 | .24 | .00 | .76 | .61 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 40.2 | .11 | .00 | .89 | .69 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 38.9 | .12 | .00 | .88 | .71 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 68.7 | .07 | .01 | .92 | .72 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 53.9 | .15 | .01 | .84 | .71 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 46.7 | .15 | .02 | .82 | .71 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 48.6 | .21 | .00 | .79 | .73 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 46.9 | .25 | .00 | .75 | .71 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 63.4 | .28 | .02 | .70 | .70 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 121.4 | .03 | .26 | .71 | .74 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 85.4 | .03 | .29 | .68 | .73 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 82.6 | .04 | .28 | .68 | .73 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 80.6 | .04 | .29 | .68 | .74 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 118.3 | .02 | .41 | .57 | .74 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 96.7 | .01 | .44 | .55 | .74 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 122.4 | .00 | .47 | .52 | .73 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 132.3 | .01 | .48 | .50 | .73 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 129.1 | .01 | .47 | .51 | .74 |

| RAW INT
CROSS CORR
CROSS INTEG | MEAN STDEV | | | | | | | | | | | | BIAS | REGR | DIST | OLC RMSE | OLC THEIL |
|--------------------------------------|------------|---|---|---|---|---|---|---|---|----|----|----|-------|------|------|----------|-----------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | | | | |
| 25710 9945 | + | + | + | + | + | + | + | + | + | + | + | + | 26.5 | .07 | .04 | .89 | .62 |
| 9431 | + | + | + | + | + | + | + | + | + | + | + | + | 26.6 | .05 | .09 | .86 | .62 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 31.0 | .03 | .02 | .95 | .65 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 27.3 | .24 | .00 | .76 | .60 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 12.6 | .12 | .10 | .78 | .62 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 28.0 | .25 | .00 | .75 | .61 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 61.3 | .07 | .01 | .92 | .67 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 35.0 | .24 | .00 | .76 | .61 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 40.2 | .11 | .00 | .89 | .69 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 38.9 | .12 | .00 | .88 | .71 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 68.7 | .07 | .01 | .92 | .72 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 53.9 | .15 | .01 | .84 | .71 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 46.7 | .15 | .02 | .82 | .71 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 48.6 | .21 | .00 | .79 | .73 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 46.9 | .25 | .00 | .75 | .71 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 63.4 | .28 | .02 | .70 | .70 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 121.4 | .03 | .26 | .71 | .74 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 85.4 | .03 | .29 | .68 | .73 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 82.6 | .04 | .28 | .68 | .73 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 80.6 | .04 | .29 | .68 | .74 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 118.3 | .02 | .41 | .57 | .74 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 96.7 | .01 | .44 | .55 | .74 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 122.4 | .00 | .47 | .52 | .73 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 132.3 | .01 | .48 | .50 | .73 |
| | + | + | + | + | + | + | + | + | + | + | + | + | 129.1 | .01 | .47 | .51 | .74 |

| ***** PERISHABLES ***** | | | | | | | | | | | | |
|---|--------|---------|--------|-------|--------|-------------------------|-------|------|-------|-------|-------|--------|
| ***** -- DIA METHOD ***** | | | | | | | | | | | | |
| NSN | | PCK DEP | | LT PC | | NOMENCLATURE | | | | | | |
| 8905001268743 | | 1 LA 3 | | 1 | | PORK, SPARERIBS, FROZEN | | | | | | |
| ***** MODEL = ***** | | | | | | | | | | | | |
| ***** ITEM # ***** | | | | | | | | | | | | |
| ***** 71 ***** | | | | | | | | | | | | |
| ***** 1396 ***** | | | | | | | | | | | | |
| ***** PROCUREMENT CYCLE ESTIMATES ***** | | | | | | | | | | | | |
| ***** LEAD TIME ESTIMATES ***** | | | | | | | | | | | | |
| MONTH: | ACT | IFCT | ERR | % ERR | DFCT | ERR | % ERR | DFCT | ERR | % ERR | DFCT | ERR |
| 31: | 88510 | 0 | 88510 | 1.00 | 67535 | 20975 | .24 | 31: | 35112 | 1.00 | 22512 | 12600 |
| 32: | 97324 | 0 | 97324 | 1.00 | 70686 | 26638 | .27 | 32: | 37142 | 1.00 | 23562 | 13580 |
| 33: | 107664 | 0 | 107664 | 1.00 | 78782 | 28882 | .27 | 33: | 40438 | 1.00 | 26261 | 14177 |
| 34: | 112692 | 0 | 112692 | 1.00 | 97370 | 15322 | .14 | 34: | 33023 | 1.00 | 32457 | 566 |
| 35: | 110603 | 0 | 110603 | 1.00 | 101330 | 9273 | .08 | 35: | 24956 | 1.00 | 33777 | -8821 |
| 36: | 98417 | 0 | 98417 | 1.00 | 109545 | -11128 | -.11 | 36: | 38757 | 1.00 | 36515 | 2242 |
| 37: | 96736 | 0 | 96736 | 1.00 | 117003 | -20267 | -.21 | 37: | 22438 | 1.00 | 39001 | -16563 |
| 38: | 86151 | 0 | 86151 | 1.00 | 104836 | -18685 | -.22 | 38: | 15526 | 1.00 | 34945 | -19419 |
| 39: | 76721 | 0 | 76721 | 1.00 | 86642 | -9921 | -.13 | 39: | 30175 | 1.00 | 28881 | 1294 |
| 40: | 68139 | 0 | 68139 | 1.00 | 106503 | -38364 | -.56 | 40: | 20308 | 1.00 | 35501 | -15193 |
| 41: | 66009 | 0 | 66009 | 1.00 | 76733 | -10724 | -.16 | 41: | 23177 | 1.00 | 25578 | -2401 |
| 42: | 73660 | 0 | 73660 | 1.00 | 61649 | 12011 | .16 | 42: | 26179 | 1.00 | 20550 | 5629 |
| 43: | 69664 | 0 | 69664 | 1.00 | 79332 | -9668 | -.14 | 43: | 30061 | 1.00 | 26444 | 3617 |
| 44: | 79417 | 0 | 79417 | 1.00 | 63467 | 15950 | .20 | 44: | 57805 | 1.00 | 21156 | 36649 |
| 45: | 114045 | 0 | 114045 | 1.00 | 71595 | 42450 | .37 | 45: | 35222 | 1.00 | 23865 | 11357 |
| 46: | 123088 | 0 | 123088 | 1.00 | 74100 | 48988 | .40 | 46: | 35137 | 1.00 | 24700 | 10437 |
| 47: | 128164 | 0 | 128164 | 1.00 | 84800 | 43364 | .34 | 47: | 33079 | 1.00 | 28267 | 4812 |
| 48: | 103438 | 0 | 103438 | 1.00 | 143730 | -40292 | -.39 | 48: | 26337 | 1.00 | 47910 | -21573 |
| 49: | 94553 | 0 | 94553 | 1.00 | 114377 | -19824 | -.21 | 49: | 15391 | 1.00 | 38126 | -22735 |
| 50: | 74807 | 0 | 74807 | 1.00 | 116787 | -41980 | -.56 | 50: | 12852 | 1.00 | 38929 | -26077 |
| 51: | 54580 | 0 | 54580 | 1.00 | 101337 | -46757 | -.86 | 51: | 13285 | 1.00 | 33779 | -20494 |
| 52: | 41528 | 0 | 41528 | 1.00 | 86782 | -45254 | -1.09 | 52: | 17063 | 1.00 | 28927 | -11864 |
| 53: | 43200 | 0 | 43200 | 1.00 | 60490 | -17290 | -.40 | 53: | 19441 | 1.00 | 20163 | -722 |
| 54: | 49789 | 0 | 49789 | 1.00 | 46568 | 3221 | .06 | 54: | 24347 | 1.00 | 15523 | 8824 |
| 55: | 60851 | 0 | 60851 | 1.00 | 40691 | 20160 | .33 | 55: | 28947 | 1.00 | 13564 | 15383 |
| 56: | 72735 | 0 | 72735 | 1.00 | 47195 | 25540 | .35 | 56: | 34700 | 1.00 | 15732 | 18968 |
| 57: | 87994 | 0 | 87994 | 1.00 | 54056 | 33938 | .39 | 57: | 27111 | 1.00 | 18019 | 9092 |
| 58: | 90758 | 0 | 90758 | 1.00 | 66946 | 23812 | .26 | 58: | 33712 | 1.00 | 22315 | 11397 |
| 59: | 95523 | 0 | 95523 | 1.00 | 79788 | 15735 | .16 | 59: | 26439 | 1.00 | 26596 | -157 |
| 60: | 87262 | 0 | 87262 | 1.00 | 96047 | -8785 | -.10 | 60: | 14335 | 1.00 | 32016 | -17681 |
| 61: | 74486 | 0 | 74486 | 1.00 | 86045 | -11559 | -.16 | 61: | 18514 | 1.00 | 28682 | -10168 |
| 62: | 59288 | 0 | 59288 | 1.00 | 98330 | -39042 | -.66 | 62: | 11782 | 1.00 | 32777 | -20995 |
| 63: | 44631 | 0 | 44631 | 1.00 | 83289 | -38658 | -.87 | 63: | 16022 | 1.00 | 27763 | -11741 |
| 64: | 46318 | 0 | 46318 | 1.00 | 58745 | -12427 | -.27 | 64: | 14033 | 1.00 | 19582 | -5549 |
| 65: | 41837 | 0 | 41837 | 1.00 | 57415 | -15578 | -.37 | 65: | 16295 | 1.00 | 19138 | -2843 |
| 66: | 46350 | 0 | 46350 | 1.00 | 39989 | 6361 | .14 | 66: | 24838 | 1.00 | 13330 | 11508 |
| 67: | 55166 | 0 | 55166 | 1.00 | 47192 | 7974 | .14 | 67: | 27662 | 1.00 | 15731 | 11931 |
| 68: | 68795 | 0 | 68795 | 1.00 | 41968 | 26827 | .39 | 68: | 17652 | 1.00 | 13989 | 3663 |
| 69: | 70152 | 0 | 70152 | 1.00 | 47618 | 22534 | .32 | 69: | 9186 | 1.00 | 15873 | -6687 |
| 70: | 54500 | 0 | 54500 | 1.00 | 64840 | -10340 | -.19 | 70: | 10498 | 1.00 | 21613 | -11115 |
| 71: | 37336 | 0 | 37336 | 1.00 | 75890 | -38554 | -1.03 | 71: | 12699 | 1.00 | 25297 | -12598 |
| 72: | 32383 | 0 | 32383 | 1.00 | 61554 | -29171 | -.90 | 72: | 8768 | 1.00 | 20518 | -11750 |
| 73: | 31965 | 0 | 31965 | 1.00 | 41029 | -9064 | -.28 | 73: | 10778 | 1.00 | 13676 | -2898 |
| ***** RESULTS ***** | | | | | | | | | | | | |
| ***** 74819 ***** | | | | | | | | | | | | |
| ***** 23100 ***** | | | | | | | | | | | | |
| ***** 23982 ***** | | | | | | | | | | | | |
| ***** 11344 ***** | | | | | | | | | | | | |
| ***** 59 ***** | | | | | | | | | | | | |

NO OF FIT PARAMETERS = 0
 LEAD TIME PARAMETERS :
 PROC CYCLE PARAMETERS :

| PERISHABLES | | | | | | | | | | MODEL = 8 | | | | | | | | | |
|--|--------|--------|--------|-------|--------|--------|-------|-------|-------|--|--------|-------|-------|--------|-------|-------|-------|-----|-------|
| -- AR1 WITH CONSTANT | | | | | | | | | | ITEM # 1396 | | | | | | | | | |
| NSN 8905001268743 1 LA 3 1 PORK, SPARERIBS, FROZEN | | | | | | | | | | NDP 71 | | | | | | | | | |
| LEAD TIME ESTIMATES | | | | | | | | | | PROCUREMENT CYCLE ESTIMATES | | | | | | | | | |
| MONTH: | ACT | IFCT | ERR | % ERR | DFACT | ERR | % ERR | DFACT | % ERR | ACT | IFCT | ERR | % ERR | DFACT | ERR | % ERR | DFACT | ERR | % ERR |
| 31: | 88510 | 84083 | 4427 | .05 | 67535 | 20975 | .24 | 31: | 35112 | 29319 | 5793 | .16 | 22512 | 12600 | .36 | | | | |
| 32: | 97324 | 84019 | 13305 | .14 | 70886 | 26638 | .27 | 32: | 37142 | 28842 | 8300 | .22 | 23562 | 13580 | .37 | | | | |
| 33: | 107664 | 84268 | 23396 | .22 | 78782 | 28882 | .27 | 33: | 40438 | 28653 | 11785 | .29 | 26261 | 14177 | .35 | | | | |
| 34: | 112692 | 88593 | 24099 | .21 | 97370 | 15322 | .14 | 34: | 33023 | 26903 | 6120 | .19 | 32457 | 566 | .02 | | | | |
| 35: | 110603 | 88863 | 21740 | .20 | 101330 | 9273 | .08 | 35: | 24956 | 27102 | -2146 | -.09 | 33777 | -8821 | -.35 | | | | |
| 36: | 98417 | 90505 | 7912 | .08 | 109545 | -11128 | -.11 | 36: | 38757 | 26845 | 11912 | .31 | 36515 | 2242 | .06 | | | | |
| 37: | 96736 | 93978 | 2758 | .03 | 117003 | -20267 | -.21 | 37: | 22438 | 26342 | -3904 | -.17 | 39001 | -16563 | -.74 | | | | |
| 38: | 86151 | 90962 | -4811 | -.06 | 104836 | -18685 | -.22 | 38: | 15526 | 28546 | -13020 | -.84 | 34945 | -19419 | -1.25 | | | | |
| 39: | 76721 | 86066 | -9345 | -.12 | 86642 | -9921 | -.13 | 39: | 30175 | 30366 | -191 | -.01 | 28881 | 1294 | .04 | | | | |
| 40: | 68139 | 94956 | -26817 | -.39 | 108503 | -38364 | -.56 | 40: | 20308 | 27878 | -7570 | -.34 | 35501 | -15193 | -.75 | | | | |
| 41: | 66009 | 84359 | -18350 | -.28 | 76733 | -10724 | -.16 | 41: | 23177 | 31069 | -7892 | -.34 | 25578 | -2401 | -.10 | | | | |
| 42: | 73660 | 79445 | -5785 | -.08 | 61649 | 12011 | .16 | 42: | 26179 | 32542 | -6363 | -.24 | 20550 | 5629 | .22 | | | | |
| 43: | 69664 | 88127 | -18463 | -.27 | 79332 | -9668 | -.14 | 43: | 30061 | 28906 | 1155 | .04 | 26444 | 3617 | .12 | | | | |
| 44: | 79417 | 81843 | -2426 | -.03 | 63467 | 15950 | .20 | 44: | 57805 | 31423 | 26382 | .46 | 21156 | 36649 | .63 | | | | |
| 45: | 114045 | 83220 | 30825 | .27 | 71595 | 42450 | .37 | 45: | 35222 | 30269 | -4953 | -.14 | 23865 | 11357 | .32 | | | | |
| 46: | 123088 | 84627 | 38461 | .31 | 74100 | 48988 | .40 | 46: | 35137 | 29253 | 5884 | .17 | 24700 | 10437 | .30 | | | | |
| 47: | 128164 | 86963 | 41201 | .32 | 84800 | 43364 | .40 | 47: | 33079 | 28450 | 4629 | .14 | 28267 | 4812 | .15 | | | | |
| 48: | 103438 | 102876 | 562 | .01 | 143730 | -40292 | -.39 | 48: | 26337 | 20391 | 5946 | .23 | 47910 | -21573 | -.82 | | | | |
| 49: | 94553 | 91195 | 3358 | .04 | 114377 | -19824 | -.21 | 49: | 15391 | 27466 | -12075 | -.78 | 38126 | -22735 | -1.48 | | | | |
| 50: | 74807 | 92295 | -17488 | -.23 | 116787 | -41980 | -.56 | 50: | 12852 | 27584 | -14732 | -1.15 | 38929 | -26077 | -2.03 | | | | |
| 51: | 54580 | 91116 | -36536 | -.67 | 101337 | -46757 | -.86 | 51: | 13285 | 28357 | -15072 | -1.13 | 33779 | -20494 | -1.54 | | | | |
| 52: | 41528 | 87575 | -46047 | -1.11 | 86782 | -45254 | -1.09 | 52: | 17063 | 30524 | -13461 | -.79 | 28927 | -11864 | -.70 | | | | |
| 53: | 43200 | 81735 | -38535 | -.89 | 60480 | -17290 | -.40 | 53: | 19441 | 33500 | -14059 | -.72 | 20163 | -722 | -.04 | | | | |
| 54: | 49789 | 80288 | -30499 | -.61 | 40568 | 3221 | .06 | 54: | 24347 | 34325 | -9578 | -.41 | 15523 | 8824 | .36 | | | | |
| 55: | 60851 | 78850 | -17999 | -.30 | 40591 | 20160 | .33 | 55: | 28947 | 34115 | -5168 | -.18 | 13564 | 15383 | .53 | | | | |
| 56: | 72735 | 78292 | -5557 | -.08 | 47195 | 25540 | .35 | 56: | 34700 | 32435 | 2265 | .07 | 15732 | 18968 | .55 | | | | |
| 57: | 87994 | 78300 | 9694 | .11 | 54056 | 33938 | .39 | 57: | 27111 | 30879 | -3768 | -.14 | 18019 | 9092 | .34 | | | | |
| 58: | 90758 | 81551 | 9207 | .10 | 68946 | 23812 | .26 | 58: | 33712 | 29227 | 4485 | .13 | 22315 | 11397 | .34 | | | | |
| 59: | 95523 | 85193 | 10330 | .11 | 79788 | 15735 | .16 | 59: | 26439 | 28088 | -1649 | -.06 | 26596 | -157 | -.01 | | | | |
| 60: | 87262 | 89926 | -2664 | -.03 | 98047 | -8785 | -.10 | 60: | 14335 | 26804 | -12469 | -.87 | 32016 | -17681 | -1.23 | | | | |
| 61: | 74486 | 84110 | -9624 | -.13 | 86045 | -11559 | -.16 | 61: | 18514 | 28521 | -10007 | -.54 | 28682 | -10168 | -.55 | | | | |
| 62: | 59288 | 89476 | -30188 | -.51 | 98330 | -39042 | -.66 | 62: | 11782 | 27075 | -15293 | -1.30 | 32777 | -20995 | -1.78 | | | | |
| 63: | 44631 | 83721 | -39080 | -.88 | 83289 | -38658 | -.87 | 63: | 16022 | 28736 | -12714 | -.79 | 27763 | -11741 | -.73 | | | | |
| 64: | 46318 | 74069 | -27751 | -.60 | 58745 | -12427 | -.27 | 64: | 14033 | 31589 | -17556 | -1.25 | 19582 | -5549 | -.40 | | | | |
| 65: | 41837 | 77170 | -35333 | -.84 | 57415 | -15578 | -.37 | 65: | 16295 | 30334 | -14039 | -.86 | 19138 | -2843 | -.17 | | | | |
| 66: | 46350 | 71230 | -24880 | -.54 | 39989 | 6361 | .14 | 66: | 24838 | 32057 | -7219 | -.29 | 13330 | 11508 | .46 | | | | |
| 67: | 55166 | 73035 | -17869 | -.32 | 47192 | 7974 | .14 | 67: | 27662 | 30649 | -2987 | -.11 | 15731 | 11931 | .43 | | | | |
| 68: | 68795 | 69886 | -1091 | -.02 | 41968 | 26827 | .39 | 68: | 17652 | 30170 | -12518 | -.71 | 13989 | 3663 | .21 | | | | |
| 69: | 70152 | 70804 | -652 | -.01 | 47618 | 22534 | .32 | 69: | 9186 | 29174 | -19988 | -2.18 | 15873 | -6687 | -.73 | | | | |
| 70: | 54500 | 78801 | -24301 | -.45 | 64840 | -10340 | -.19 | 70: | 10498 | 27447 | -16949 | -1.61 | 21613 | -11115 | -.06 | | | | |
| 71: | 37336 | 81667 | -44331 | -1.19 | 75890 | -38554 | -1.03 | 71: | 12699 | 26946 | -14247 | -1.12 | 25297 | -12598 | -.99 | | | | |
| 72: | 32383 | 71576 | -39193 | -1.21 | 61554 | -29171 | -.90 | 72: | 8768 | 28159 | -19391 | -2.21 | 20518 | -11750 | -1.34 | | | | |
| 73: | 31965 | 62493 | -30528 | -.96 | 41029 | -9064 | -.28 | 73: | 10778 | 28344 | -17566 | -1.63 | 13676 | -2898 | -.27 | | | | |
| RESULTS | | | | | | | | | | MAD MERR MAPE MERR MAD MAPE | | | | | | | | | |
| 19708 -8486 | | | | | | | | | | .35 23100 -2172 .35 9851 -5218 .59 11344 -1682 .59 | | | | | | | | | |

NO OF FIT PARAMETERS = 2
 LEAD TIME PARAMETERS : 1.02 53146.30
 PROC CYCLE PARAMETERS : -.10 29261.14

| PERISHABLES | | | | | | | | | | MODEL - | | | | | | | | | |
|--|--------|--------|-------|--------|--------|-------|--------|-------|-------|-----------------------------|-------|-------|--------|-------|--------|-------|-------|--------|-------|
| NSN | | | | | | | | | | ITEM # | | | | | | | | | |
| 8905001268743 1 LA 3 1 PORK, SPARERIBS, FROZEN | | | | | | | | | | 1396 | | | | | | | | | |
| MONTH: | | | | | | | | | | PROCUREMENT CYCLE ESTIMATES | | | | | | | | | |
| LEAD TIME ESTIMATES | | | | | | | | | | CYCLE ESTIMATES | | | | | | | | | |
| ACT | IFCT | ERR | % ERR | DFACT | ERR | % ERR | MONTH: | ACT | IFCT | ERR | % ERR | DFACT | ERR | % ERR | MONTH: | ACT | IFCT | ERR | % ERR |
| 31: 88510 | 71218 | 17292 | .20 | 67535 | 20975 | .24 | 31: | 35112 | 28461 | 6551 | .19 | 22512 | 12600 | .36 | 31: | 35112 | 28461 | 6551 | .19 |
| 32: 97324 | 79388 | 17936 | .18 | 70866 | 26638 | .27 | 32: | 37142 | 32193 | 4949 | .13 | 23562 | 13580 | .37 | 32: | 37142 | 32193 | 4949 | .13 |
| 33: 107664 | 88927 | 18737 | .17 | 78782 | 28882 | .27 | 33: | 40438 | 34338 | 6100 | .15 | 26261 | 14177 | .35 | 33: | 40438 | 34338 | 6100 | .15 |
| 34: 112692 | 98390 | 14302 | .13 | 97370 | 15322 | .14 | 34: | 33023 | 33814 | -791 | -.02 | 32457 | 566 | .02 | 34: | 33023 | 33814 | -791 | -.02 |
| 35: 110603 | 103232 | 7371 | .07 | 101330 | 9273 | .08 | 35: | 24956 | 32484 | -7528 | -.30 | 33777 | -8821 | -.35 | 35: | 24956 | 32484 | -7528 | -.30 |
| 36: 98417 | 103317 | -4900 | -.05 | 109545 | -11128 | -.11 | 36: | 38757 | 29637 | 9120 | .24 | 36515 | 2242 | .06 | 36: | 38757 | 29637 | 9120 | .24 |
| 37: 96736 | 99146 | -2410 | -.02 | 117003 | -20267 | -.21 | 37: | 22438 | 26241 | -3803 | -.17 | 39001 | -16563 | -.74 | 37: | 22438 | 26241 | -3803 | -.17 |
| 38: 86151 | 88804 | -2653 | -.03 | 104836 | -18685 | -.22 | 38: | 15526 | 23706 | -8180 | -.53 | 34945 | -19419 | -1.25 | 38: | 15526 | 23706 | -8180 | -.53 |
| 39: 76721 | 77598 | -877 | -.01 | 86842 | -9921 | -.13 | 39: | 30175 | 22850 | 7325 | .24 | 28881 | 1294 | .04 | 39: | 30175 | 22850 | 7325 | .24 |
| 40: 68139 | 74737 | -6598 | -.10 | 106503 | -38364 | -.56 | 40: | 20308 | 22293 | -1985 | -.10 | 35501 | -15193 | -.75 | 40: | 20308 | 22293 | -1985 | -.10 |
| 41: 66009 | 67995 | -1986 | -.03 | 78733 | -10724 | -.16 | 41: | 23177 | 25096 | -1919 | -.08 | 25578 | -2401 | -.10 | 41: | 23177 | 25096 | -1919 | -.08 |
| 42: 73660 | 68387 | 5273 | .07 | 61849 | 12011 | .16 | 42: | 26179 | 28399 | -2220 | -.08 | 20550 | 5629 | .22 | 42: | 26179 | 28399 | -2220 | -.08 |
| 43: 69664 | 78008 | -8344 | -.12 | 79332 | -9668 | -.14 | 43: | 30061 | 30739 | -678 | -.02 | 26444 | 3617 | .12 | 43: | 30061 | 30739 | -678 | -.02 |
| 44: 79417 | 84511 | -5094 | -.06 | 83467 | 15950 | .20 | 44: | 57805 | 34533 | 23272 | .40 | 21156 | 36649 | .63 | 44: | 57805 | 34533 | 23272 | .40 |
| 45: 114045 | 94230 | 19815 | .17 | 71595 | 42450 | .37 | 45: | 35222 | 35670 | -448 | -.01 | 23865 | 11357 | .32 | 45: | 35222 | 35670 | -448 | -.01 |
| 46: 123088 | 101165 | 21923 | .18 | 74100 | 48988 | .40 | 46: | 35137 | 35165 | -28 | -.00 | 24700 | 10437 | .30 | 46: | 35137 | 35165 | -28 | -.00 |
| 47: 128164 | 104395 | 23769 | .19 | 84800 | 43364 | .34 | 47: | 33079 | 33007 | 72 | .00 | 28267 | 4812 | .15 | 47: | 33079 | 33007 | 72 | .00 |
| 48: 103438 | 107117 | -3679 | -.04 | 143730 | -40292 | -.39 | 48: | 26337 | 26337 | 0 | .00 | 47910 | -21573 | -.82 | 48: | 26337 | 26337 | 0 | .00 |
| 49: 94553 | 97774 | -3221 | -.03 | 114377 | -19824 | -.21 | 49: | 15391 | 25774 | -10383 | -.67 | 38126 | -22735 | -1.48 | 49: | 15391 | 25774 | -10383 | -.67 |
| 50: 74807 | 88629 | -13822 | -.18 | 116787 | -41980 | -.56 | 50: | 12852 | 22760 | -9908 | -.77 | 38929 | -26077 | -2.03 | 50: | 12852 | 22760 | -9908 | -.77 |
| 51: 54580 | 78037 | -23457 | -.43 | 101337 | -46757 | -.86 | 51: | 13285 | 21532 | -8247 | -.62 | 33779 | -20494 | -1.54 | 51: | 13285 | 21532 | -8247 | -.62 |
| 52: 41528 | 69953 | -28425 | -.68 | 86782 | -45254 | -1.09 | 52: | 17063 | 22844 | -5781 | -.34 | 28927 | -11864 | -.70 | 52: | 17063 | 22844 | -5781 | -.34 |
| 53: 43200 | 66133 | -22933 | -.53 | 60490 | -17290 | -.40 | 53: | 19441 | 26384 | -6943 | -.36 | 20163 | -722 | -.04 | 53: | 19441 | 26384 | -6943 | -.36 |
| 54: 49789 | 68281 | -18492 | -.37 | 46568 | 3221 | .06 | 54: | 24347 | 30213 | -5866 | -.24 | 15523 | 8824 | .36 | 54: | 24347 | 30213 | -5866 | -.24 |
| 55: 60851 | 75440 | -14589 | -.24 | 40591 | 20160 | .33 | 55: | 28947 | 34053 | -5106 | -.18 | 13564 | 15383 | .53 | 55: | 28947 | 34053 | -5106 | -.18 |
| 56: 72735 | 86103 | -13368 | -.18 | 47195 | 25540 | .35 | 56: | 34700 | 36668 | -1968 | -.06 | 15732 | 18968 | .55 | 56: | 34700 | 36668 | -1968 | -.06 |
| 57: 87994 | 96780 | -8786 | -.10 | 54056 | 33938 | .35 | 57: | 27111 | 37625 | -10514 | -.39 | 18019 | 9092 | .34 | 57: | 27111 | 37625 | -10514 | -.39 |
| 58: 90758 | 104906 | -14148 | -.16 | 66946 | 23812 | .26 | 58: | 33712 | 36262 | -2550 | -.08 | 22315 | 11397 | .34 | 58: | 33712 | 36262 | -2550 | -.08 |
| 59: 95523 | 107665 | -12142 | -.13 | 79788 | 15735 | .16 | 59: | 26439 | 32999 | -6560 | -.25 | 26596 | -157 | -.01 | 59: | 26439 | 32999 | -6560 | -.25 |
| 60: 87262 | 105054 | -17792 | -.20 | 96047 | -8785 | -.10 | 60: | 14335 | 28482 | -14147 | -.99 | 32016 | -17681 | -1.23 | 60: | 14335 | 28482 | -14147 | -.99 |
| 61: 74486 | 93268 | -18782 | -.25 | 86045 | -11559 | -.16 | 61: | 18514 | 24384 | -5870 | -.32 | 28682 | -10168 | -.55 | 61: | 18514 | 24384 | -5870 | -.32 |
| 62: 59288 | 83944 | -24656 | -.42 | 98330 | -39042 | -.66 | 62: | 11782 | 20900 | -9118 | -.77 | 32777 | -20995 | -1.78 | 62: | 11782 | 20900 | -9118 | -.77 |
| 63: 44631 | 70610 | -25979 | -.58 | 83289 | -38658 | -.87 | 63: | 16022 | 19753 | -3731 | -.23 | 27763 | -11741 | -.73 | 63: | 16022 | 19753 | -3731 | -.23 |
| 64: 46318 | 58388 | -12070 | -.26 | 58745 | -12427 | -.27 | 64: | 14033 | 20954 | -6921 | -.49 | 19582 | -5549 | -.40 | 64: | 14033 | 20954 | -6921 | -.49 |
| 65: 41837 | 58584 | -16747 | -.40 | 57415 | -15578 | -.37 | 65: | 16295 | 23828 | -7533 | -.46 | 19138 | -2843 | -.17 | 65: | 16295 | 23828 | -7533 | -.46 |
| 66: 46350 | 59692 | -13342 | -.29 | 39989 | 6361 | .14 | 66: | 24838 | 28027 | -3189 | -.13 | 13330 | 11508 | .46 | 66: | 24838 | 28027 | -3189 | -.13 |
| 67: 55166 | 70948 | -15782 | -.29 | 47192 | 7974 | .14 | 67: | 27662 | 32194 | -4532 | -.16 | 15731 | 11931 | .43 | 67: | 27662 | 32194 | -4532 | -.16 |
| 68: 68795 | 80651 | -11856 | -.17 | 41968 | 26827 | .39 | 68: | 17652 | 34897 | -17245 | -.98 | 13989 | 3663 | .21 | 68: | 17652 | 34897 | -17245 | -.98 |
| 69: 70152 | 91205 | -21053 | -.30 | 47618 | 22534 | .32 | 69: | 9186 | 35675 | -26489 | -.28 | 15873 | -6687 | .73 | 69: | 9186 | 35675 | -26489 | -.28 |
| 70: 54500 | 101452 | -46952 | -.86 | 64840 | -10340 | -.19 | 70: | 10498 | 34457 | -23959 | -.28 | 21613 | -11115 | -1.06 | 70: | 10498 | 34457 | -23959 | -.28 |
| 71: 37336 | 102840 | -65504 | -1.75 | 75590 | -38554 | -1.03 | 71: | 12699 | 30984 | -18285 | -1.44 | 25297 | -12598 | -.99 | 71: | 12699 | 30984 | -18285 | -1.44 |
| 72: 32383 | 89803 | -57420 | -1.77 | 61554 | -29171 | -.90 | 72: | 8768 | 25149 | -16381 | -1.87 | 20518 | -11750 | -1.34 | 72: | 8768 | 25149 | -16381 | -1.87 |
| 73: 31965 | 72571 | -40606 | -1.27 | 41039 | -9064 | -.28 | 73: | 10778 | 18373 | -7595 | -.70 | 13676 | -2898 | -.27 | 73: | 10778 | 18373 | -7595 | -.70 |
| RESULTS | | | | | | | | | | RESULTS | | | | | | | | | |
| MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR |
| 17323 | -10513 | .32 | 23100 | -2172 | .35 | 7532 | -4858 | .47 | 11344 | -1682 | .59 | | | | | | | | |

NO OF FIT PARAMETERS = 4
 LEAD TIME PARAMETERS :
 .71 14183.52 -14171.85 60851.47
 .15 8269.39 1158.75 22102.02
 PROC CYCLE PARAMETERS :

| PERISHABLES | | | | | | | | | | INTEGRATED ARI WITH CONSTANT | | | | | | | | | | MODEL = 11 | | | | | | | | | | | | | | | | | | | |
|---------------|--------|--------|-------|--------|--------|-------|--------|-------|-------|------------------------------|-------|-------|--------|-------|-------|-----|-------|-----|-------|-----------------------------|-------|-----|-------|-----|-------|-----|-------|-----|-------|-------|--|--|--|--|--|--|--|--|--|
| NSN | | | | | | | | | | PC NOMENCLATURE | | | | | | | | | | ITEM # 1396 | | | | | | | | | | | | | | | | | | | |
| 8905001268743 | | | | | | | | | | 1 PORK, SPARERIBS, FROZEN | | | | | | | | | | NDP 71 | | | | | | | | | | | | | | | | | | | |
| MONTH: | | | | | | | | | | LEAD TIME ESTIMATES | | | | | | | | | | PROCUREMENT CYCLE ESTIMATES | | | | | | | | | | | | | | | | | | | |
| ACT | IFCT | ERR | % ERR | DFACT | ERR | % ERR | MONTH: | ACT | IFCT | ERR | % ERR | ERR | % ERR | ERR | % ERR | ERR | % ERR | ERR | % ERR | ERR | % ERR | ERR | % ERR | ERR | % ERR | ERR | % ERR | ERR | % ERR | | | | | | | | | | |
| 31: 88510 | 69688 | 18822 | .21 | 67535 | 20975 | .24 | 31: | 35112 | 17577 | 17535 | .50 | 22512 | 12600 | .36 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32: 97324 | 62273 | 35051 | .36 | 70686 | 26638 | .27 | 32: | 37142 | 24470 | 12672 | .34 | 23562 | 13580 | .37 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33: 107664 | 76361 | 31303 | .29 | 78782 | 28882 | .27 | 33: | 40438 | 25740 | 14698 | .36 | 26261 | 14177 | .35 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34: 112692 | 94305 | 18387 | .16 | 97370 | 15322 | .14 | 34: | 33023 | 29986 | 3037 | .09 | 32457 | 566 | .02 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35: 110603 | 98295 | 12308 | .11 | 101330 | 9273 | .08 | 35: | 24956 | 35896 | -10940 | -.44 | 33777 | -8821 | -.35 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36: 98417 | 111521 | -13104 | -.13 | 109545 | -11128 | -.11 | 36: | 38757 | 37213 | 1544 | .04 | 36515 | 2242 | .06 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37: 96736 | 118268 | -21532 | -.22 | 117003 | -20267 | -.21 | 37: | 22438 | 40374 | -17936 | -.80 | 39001 | -16563 | -.74 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38: 86151 | 107975 | -21824 | -.25 | 104836 | -18685 | -.22 | 38: | 15526 | 38289 | -22763 | -.17 | 34945 | -19419 | -.125 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39: 76721 | 94856 | -18135 | -.24 | 86842 | -9921 | -.13 | 39: | 30175 | 30082 | 93 | .00 | 28881 | 1294 | .04 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40: 68139 | 105331 | -41192 | -.60 | 106503 | -38364 | -.56 | 40: | 20308 | 33194 | -12886 | -.63 | 35501 | -15193 | -.75 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41: 66009 | 73916 | -7807 | -.12 | 76733 | -10724 | -.16 | 41: | 23177 | 31434 | -8257 | -.36 | 25578 | -2401 | -.10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42: 73660 | 71409 | 2251 | .03 | 61649 | 12011 | .16 | 42: | 26179 | 18431 | 7748 | .30 | 20550 | 5629 | .22 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43: 69664 | 77445 | -7781 | -.11 | 79332 | -9668 | -.14 | 43: | 30061 | 23665 | 6396 | .21 | 26444 | 3617 | .12 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44: 79417 | 58328 | 21089 | .27 | 63467 | 15950 | .20 | 44: | 57805 | 24936 | 32869 | .57 | 21156 | 36649 | .63 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45: 114045 | 75133 | 38912 | .34 | 71595 | 42450 | .37 | 45: | 35222 | 21250 | 13972 | .40 | 23865 | 11357 | .32 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46: 123088 | 70874 | 52214 | .42 | 74100 | 48988 | .40 | 46: | 35137 | 24358 | 10779 | .31 | 24700 | 10437 | .30 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47: 128164 | 18522 | 46642 | .36 | 84800 | 43364 | .34 | 47: | 33079 | 28146 | 4933 | .15 | 28267 | 4812 | .15 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48: 103438 | 132619 | -29181 | -.28 | 143730 | -40292 | -.39 | 48: | 26337 | 43141 | -16804 | -.64 | 47910 | -21573 | -.82 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49: 94553 | 109666 | -15113 | -.16 | 114377 | -19824 | -.21 | 49: | 15391 | 48550 | -33159 | -.21 | 38126 | -22735 | -.148 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50: 74807 | 131385 | -56578 | -.76 | 116787 | -41980 | -.56 | 50: | 12852 | 36490 | -23638 | -.81 | 38929 | -26077 | -.203 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51: 54580 | 105009 | -50429 | -.92 | 101337 | -46757 | -.86 | 51: | 13285 | 35571 | -22286 | -.68 | 33779 | -20494 | -.154 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52: 41528 | 92578 | -51050 | -1.23 | 86782 | -45254 | -1.09 | 52: | 17063 | 31831 | -14768 | -.87 | 28927 | -11864 | -.70 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53: 43200 | 68935 | -25735 | -.60 | 60490 | -17290 | -.40 | 53: | 19441 | 20694 | -1253 | -.06 | 20163 | -722 | -.04 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54: 49789 | 52628 | -2839 | -.06 | 46568 | 3221 | .06 | 54: | 24347 | 13674 | 10673 | .44 | 15523 | 8824 | .36 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55: 60851 | 40388 | 20463 | .34 | 40691 | 20160 | .33 | 55: | 28947 | 12524 | 16693 | .58 | 13564 | 15383 | .53 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56: 72735 | 44136 | 28599 | .39 | 47195 | 25540 | .35 | 56: | 34700 | 14312 | 20388 | .59 | 15732 | 18968 | .55 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57: 87994 | 49644 | 38350 | .44 | 54056 | 33938 | .39 | 57: | 27111 | 17310 | 9801 | .36 | 18019 | 9092 | .34 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58: 90758 | 63088 | 27670 | .30 | 66946 | 23812 | .26 | 58: | 33712 | 21317 | 12395 | .37 | 22315 | 11397 | .34 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59: 95523 | 75445 | 20078 | .21 | 79788 | 15735 | .16 | 59: | 26439 | 26411 | 28 | .00 | 26596 | -157 | -.01 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60: 87262 | 92495 | -5233 | -.06 | 96047 | -8785 | -.10 | 60: | 14335 | 32153 | -17818 | -.12 | 32016 | -17681 | -.123 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61: 74486 | 84789 | -10303 | -.14 | 86045 | -11559 | -.16 | 61: | 18514 | 30408 | -11894 | -.64 | 28682 | -10168 | -.55 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62: 59288 | 101905 | -42617 | -.72 | 98330 | -39042 | -.66 | 62: | 11782 | 31308 | -19526 | -.66 | 32777 | -20995 | -.178 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63: 44631 | 81721 | -37090 | -.83 | 83289 | -38658 | -.87 | 63: | 16022 | 29727 | -13705 | -.86 | 27763 | -11741 | -.73 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64: 46318 | 64452 | -18134 | -.39 | 58745 | -12427 | -.27 | 64: | 14033 | 19533 | -5500 | -.39 | 19582 | -5549 | -.40 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65: 41837 | 62299 | -20462 | -.49 | 57415 | -15578 | -.37 | 65: | 16295 | 16515 | -220 | -.01 | 19138 | -2843 | -.17 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66: 46350 | 37818 | 8532 | .18 | 39989 | 6361 | .14 | 66: | 24838 | 14132 | 10706 | .43 | 13330 | 11508 | .46 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67: 55166 | 48832 | 6334 | .11 | 47192 | 7974 | .14 | 67: | 27662 | 13402 | 14260 | .52 | 15731 | 11931 | .43 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68: 68795 | 38421 | 30374 | .44 | 41968 | 26827 | .39 | 68: | 17652 | 13926 | 3726 | .21 | 13989 | 3663 | .21 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69: 70152 | 46820 | 23332 | .33 | 47618 | 22534 | .32 | 69: | 9186 | 14459 | -5273 | -.57 | 15873 | -6687 | -.73 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70: 54500 | 61275 | -6775 | -.12 | 64840 | -10340 | -.19 | 70: | 10498 | 20501 | -10003 | -.95 | 21613 | -11115 | -.106 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71: 37336 | 70355 | -33019 | -.88 | 75890 | -38554 | -1.03 | 71: | 12699 | 26014 | -13315 | -.105 | 25297 | -12598 | -.99 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72: 32383 | 60850 | -28467 | -.88 | 61554 | -29171 | -.90 | 72: | 8768 | 21342 | -12674 | -.43 | 20518 | -11750 | -.134 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73: 31965 | 46539 | -14574 | -.46 | 41029 | -9064 | -.28 | 73: | 10778 | 12170 | -1392 | -.13 | 13676 | -2898 | -.27 | | | | | | | | | | | | | | | | | | | | | | | | | |
| RESULTS | | | | | | | | | | MAD | | | | | | | | | | MERR | | | | | | | | | | MAPE | | | | | | | | | |
| | | | | | | | | | | .37 | | | | | | | | | | .35 | | | | | | | | | | .62 | | | | | | | | | |
| | | | | | | | | | | 24646 | | | | | | | | | | 12113 | | | | | | | | | | 11344 | | | | | | | | | |
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| 32: | | | | | | | | | | ERR | | | | | | | | | | DFTC | | | | | | | | | | ERR | | | | | | | | | |
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| 150: | | | | | | | | | | 385: | | | | | | | | | | 386: | | | | | | | | | | 387: | | | | | | | | | |
| 151: | | | | | | | | | | 388: | | | | | | | | | | 389: | | | | | | | | | | 390: | | | | | | | | | |
| 152: | | | | | | | | | | 391: | | | | | | | | | | 392: | | | | | | | | | | 393: | | | | | | | | | |
| 153: | | | | | | | | | | 394: | | | | | | | | | | 395: | | | | | | | | | | 396: | | | | | | | | | |
| 154: | | | | | | | | | | 397: | | | | | | | | | | 398: | | | | | | | | | | 399: | | | | | | | | | |
| 155: | | | | | | | | | | 400: | | | | | | | | | | 401: | | | | | | | | | | 402: | | | | | | | | | |
| 156: | | | | | | | | | | 403: | | | | | | | | | | 404: | | | | | | | | | | 405: | | | | | | | | | |
| 157: | | | | | | | | | | 406: | | | | | | | | | | 407: | | | | | | | | | | 408: | | | | | | | | | |
| 158: | | | | | | | | | | 409: | | | | | | | | | | 410: | | | | | | | | | | 411: | | | | | | | | | |
| 159: | | | | | | | | | | 412: | | | | | | | | | | 413: | | | | | | | | | | 414: | | | | | | | | | |
| 160: | | | | | | | | | | 415: | | | | | | | | | | 416: | | | | | | | | | | 417: | | | | | | | | | |
| 161: | | | | | | | | | | 418: | | | | | | | | | | 419: | | | | | | | | | | 420: | | | | | | | | | |
| 162: | | | | | | | | | | 421: | | | | | | | | | | 422: | | | | | | | | | | 423: | | | | | | | | | |
| 163: | | | | | | | | | | 424: | | | | | | | | | | 425: | | | | | | | | | | 426: | | | | | | | | | |
| 164: | | | | | | | | | | 427: | | | | | | | | | | 428: | | | | | | | | | | 429: | | | | | | | | | |
| 165: | | | | | | | | | | 430: | | | | | | | | | | 431: | | | | | | | | | | 432: | | | | | | | | | |
| 166: | | | | | | | | | | 433: | | | | | | | | | | 434: | | | | | | | | | | 435: | | | | | | | | | |
| 167: | | | | | | | | | | 436: | | | | | | | | | | 437: | | | | | | | | | | 438: | | | | | | | | | |
| 168: | | | | | | | | | | 439: | | | | | | | | | | 440: | | | | | | | | | | 441: | | | | | | | | | |
| 169: | | | | | | | | | | 442: | | | | | | | | | | 443: | | | | | | | | | | 444: | | | | | | | | | |
| 170: | | | | | | | | | | 445: | | | | | | | | | | 446: | | | | | | | | | | 447: | | | | | | | | | |
| 171: | | | | | | | | | | 448: | | | | | | | | | | 449: | | | | | | | | | | 450: | | | | | | | | | |
| 172: | | | | | | | | | | 451: | | | | | | | | | | 452: | | | | | | | | | | 453: | | | | | | | | | |
| 173: | | | | | | | | | | 454: | | | | | | | | | | 455: | | | | | | | | | | 456: | | | | | | | | | |
| 174: | | | | | | | | | | 457: | | | | | | | | | | 458: | | | | | | | | | | 459: | | | | | | | | | |
| 175: | | | | | | | | | | 460: | | | | | | | | | | 461: | | | | | | | | | | 462: | | | | | | | | | |
| 176: | | | | | | | | | | 463: | | | | | | | | | | 464: | | | | | | | | | | 465: | | | | | | | | | |
| 177: | | | | | | | | | | 466: | | | | | | | | | | 467: | | | | | | | | | | 468: | | | | | | | | | |
| 178: | | | | | | | | | | 469: | | | | | | | | | | 470: | | | | | | | | | | 471: | | | | | | | | | |
| 179: | | | | | | | | | | 472: | | | | | | | | | | 473: | | | | | | | | | | 474: | | | | | | | | | |
| 180: | | | | | | | | | | 475: | | | | | | | | | | 476: | | | | | | | | | | 477: | | | | | | | | | |
| 181: | | | | | | | | | | 478: | | | | | | | | | | 479: | | | | | | | | | | 480: | | | | | | | | | |
| 182: | | | | | | | | | | 481: | | | | | | | | | | 482: | | | | | | | | | | 483: | | | | | | | | | |
| 183: | | | | | | | | | | 484: | | | | | | | | | | 485: | | | | | | | | | | 486: | | | | | | | | | |
| 184: | | | | | | | | | | 487: | | | | | | | | | | 488: | | | | | | | | | | 489: | | | | | | | | | |
| 185: | | | | | | | | | | 490: | | | | | | | | | | 491: | | | | | | | | | | 492: | | | | | | | | | |
| 186: | | | | | | | | | | 493: | | | | | | | | | | 494: | | | | | | | | | | 495: | | | | | | | | | |
| 187: | | | | | | | | | | 496: | | | | | | | | | | 497: | | | | | | | | | | 498: | | | | | | | | | |
| 188: | | | | | | | | | | 499: | | | | | | | | | | 500: | | | | | | | | | | 501: | | | | | | | | | |
| 189: | | | | | | | | | | 502: | | | | | | | | | | 503: | | | | | | | | | | 504: | | | | | | | | | |
| 190: | | | | | | | | | | 505: | | | | | | | | | | 506: | | | | | | | | | | 507: | | | | | | | | | |
| 191: | | | | | | | | | | 508: | | | | | | | | | | 509: | | | | | | | | | | 510: | | | | | | | | | |
| 192: | | | | | | | | | | 511: | | | | | | | | | | 512: | | | | | | | | | | 513: | | | | | | | | | |
| 193: | | | | | | | | | | 514: | | | | | | | | | | 515: | | | | | | | | | | 516: | | | | | | | | | |
| 194: | | | | | | | | | | 517: | | | | | | | | | | 518: | | | | | | | | | | 519: | | | | | | | | | |
| 195: | | | | | | | | | | 520: | | | | | | | | | | 521: | | | | | | | | | | 522: | | | | | | | | | |
| 196: | | | | | | | | | | 523: | | | | | | | | | | 524: | | | | | | | | | | 525: | | | | | | | | | |
| 197: | | | | | | | | | | 526: | | | | | | | | | | 527: | | | | | | | | | | 528: | | | | | | | | | |
| 198: | | | | | | | | | | 529: | | | | | | | | | | 530: | | | | | | | | | | 531: | | | | | | | | | |
| 199: | | | | | | | | | | 532: | | | | | | | | | | 533: | | | | | | | | | | 534: | | | | | | | | | |
| 200: | | | | | | | | | | 535: | | | | | | | | | | 536: | | | | | | | | | | 537: | | | | | | | | | |
| 201: | | | | | | | | | | 538: | | | | | | | | | | 539: | | | | | | | | | | 540: | | | | | | | | | |
| 202: | | | | | | | | | | 541: | | | | | | | | | | 542: | | | | | | | | | | 543: | | | | | | | | | |
| 203: | | | | | | | | | | 544: | | | | | | | | | | 545: | | | | | | | | | | 546: | | | | | | | | | |
| 204: | | | | | | | | | | 547: | | | | | | | | | | 548: | | | | | | | | | | 549: | | | | | | | | | |
| 205: | | | | | | | | | | 550: | | | | | | | | | | 551: | | | | | | | | | | 552: | | | | | | | | | |
| 206: | | | | | | | | | | 553: | | | | | | | | | | 554: | | | | | | | | | | 555: | | | | | | | | | |
| 207: | | | | | | | | | | 556: | | | | | | | | | | 557: | | | | | | | | | | 558: | | | | | | | | | |
| 208: | | | | | | | | | | 559: | | | | | | | | | | 560: | | | | | | | | | | 561: | | | | | | | | | |
| 209: | | | | | | | | | | 562: | | | | | | | | | | 563: | | | | | | | | | | 564: | | | | | | | | | |
| 210: | | | | | | | | | | 565: | | | | | | | | | | 566: | | | | | | | | | | 567: | | | | | | | | | |
| 211: | | | | | | | | | | 568: | | | | | | | | | | 569: | | | | | | | | | | 570: | | | | | | | | | |
| 212: | | | | | | | | | | 571: | | | | | | | | | | 572: | | | | | | | | | | 573: | | | | | | | | | |
| 213: | | | | | | | | | | 574: | | | | | | | | | | 575: | | | | | | | | | | 576: | | | | | | | | | |
| 214: | | | | | | | | | | 577: | | | | | | | | | | 578: | | | | | | | | | | 579: | | | | | | | | | |
| 215: | | | | | | | | | | 580: | | | | | | | | | | 581: | | | | | | | | | | 582: | | | | | | | | | |
| 216: | | | | | | | | | | 583: | | | | | | | | | | 584: | | | | | | | | | | 585: | | | | | | | | | |
| 217: | | | | | | | | | | 586: | | | | | | | | | | 587: | | | | | | | | | | 588: | | | | | | | | | |
| 218: | | | | | | | | | | 589: | | | | | | | | | | 590: | | | | | | | | | | 591: | | | | | | | | | |
| 219: | | | | | | | | | | 592: | | | | | | | | | | 593: | | | | | | | | | | 594: | | | | | | | | | |
| 220: | | | | | | | | | | 595: | | | | | | | | | | 596: | | | | | | | | | | 597: | | | | | | | | | |
| 221: | | | | | | | | | | 598: | | | | | | | | | | 599: | | | | | | | | | | 600: | | | | | | | | | |
| 222: | | | | | | | | | | 601: | | | | | | | | | | 602: | | | | | | | | | | 603: | | | | | | | | | |
| 223: | | | | | | | | | | 604: | | | | | | | | | | 605: | | | | | | | | | | 606: | | | | | | | | | |
| 224: | | | | | | | | | | 607: | | | | | | | | | | 608: | | | | | | | | | | 609: | | | | | | | | | |
| 225: | | | | | | | | | | 610: | | | | | | | | | | 611: | | | | | | | | | | 612: | | | | | | | | | |
| 226: | | | | | | | | | | 613: | | | | | | | | | | 614: | | | | | | | | | | 615: | | | | | | | | | |
| 227: | | | | | | | | | | 616: | | | | | | | | | | 617: | | | | | | | | | | 618: | | | | | | | | | |
| 228: | | | | | | | | | | 619: | | | | | | | | | | 620: | | | | | | | | | | 621: | | | | | | | | | |
| 229: | | | | | | | | | | 622: | | | | | | | | | | 623: | | | | | | | | | | 624: | | | | | | | | | |
| 230: | | | | | | | | | | 625: | | | | | | | | | | 626: | | | | | | | | | | 627: | | | | | | | | | |
| 231: | | | | | | | | | | 628: | | | | | | | | | | 629: | | | | | | | | | | 630: | | | | | | | | | |
| 232: | | | | | | | | | | 631: | | | | | | | | | | 632: | | | | | | | | | | 633: | | | | | | | | | |
| 233: | | | | | | | | | | 634: | | | | | | | | | | 635: | | | | | | | | | | 636: | | | | | | | | | |
| 234: | | | | | | | | | | 637: | | | | | | | | | | 638: | | | | | | | | | | 639: | | | | | | | | | |
| 235: | | | | | | | | | | 640: | | | | | | | | | | 641: | | | | | | | | | | 642: | | | | | | | | | |
| 236: | | | | | | | | | | 643: | | | | | | | | | | 644: | | | | | | | | | | 645: | | | | | | | | | |
| 237: | | | | | | | | | | 646: | | | | | | | | | | 647: | | | | | | | | | | 648: | | | | | | | | | |
| 238: | | | | | | | | | | 649: | | | | | | | | | | 650: | | | | | | | | | | 651: | | | | | | | | | |
| 239: | | | | | | | | | | 652: | | | | | | | | | | 653: | | | | | | | | | | 654: | | | | | | | | | |
| 240: | | | | | | | | | | 655: | | | | | | | | | | 656: | | | | | | | | | | 657: | | | | | | | | | |
| 241: | | | | | | | | | | 658: | | | | | | | | | | 659: | | | | | | | | | | 660: | | | | | | | | | |
| 242: | | | | | | | | | | 661: | | | | | | | | | | 662: | | | | | | | | | | 663: | | | | | | | | | |
| 243: | | | | | | | | | | 664: | | | | | | | | | | 665: | | | | | | | | | | 666: | | | | | | | | | |
| 244: | | | | | | | | | | 667: | | | | | | | | | | 668: | | | | | | | | | | 669: | | | | | | | | | |
| 245: | | | | | | | | | | 670: | | | | | | | | | | 671: | | | | | | | | | | 672: | | | | | | | | | |
| 246: | | | | | | | | | | 673: | | | | | | | | | | 674: | | | | | | | | | | 675: | | | | | | | | | |
| 247: | | | | | | | | | | 676: | | | | | | | | | | 677: | | | | | | | | | | 678: | | | | | | | | | |
| 248: | | | | | | | | | | 679: | | | | | | | | | | 680: | | | | | | | | | | 681: | | | | | | | | | |
| 249: | | | | | | | | | | 682: | | | | | | | | | | 683: | | | | | | | | | | 684: | | | | | | | | | |
| 250: | | | | | | | | | | 685: | | | | | | | | | | 686: | | | | | | | | | | 687: | | | | | | | | | |
| 251: | | | | | | | | | | 688: | | | | | | | | | | 689: | | | | | | | | | | 690: | | | | | | | | | |
| 252: | | | | | | | | | | 691: | | | | | | | | | | 692: | | | | | | | | | | 693: | | | | | | | | | |
| 253: | | | | | | | | | | 694: | | | | | | | | | | 695: | | | | | | | | | | 696: | | | | | | | | | |
| 254: | | | | | | | | | | 697: | | | | | | | | | | 698: | | | | | | | | | | 699: | | | | | | | | | |
| 255: | | | | | | | | | | 700: | | | | | | | | | | 701: | | | | | | | | | | 702: | | | | | | | | | |
| 256: | | | | | | | | | | 703: | | | | | | | | | | 704: | | | | | | | | | | 705: | | | | | | | | | |
| 257: | | | | | | | | | | 706: | | | | | | | | | | 707: | | | | | | | | | | 708: | | | | | | | | | |
| 258: | | | | | | | | | | 709: | | | | | | | | | | 710: | | | | | | | | | | 711: | | | | | | | | | |
| 259: | | | | | | | | | | 712: | | | | | | | | | | 713: | | | | | | | | | | 714: | | | | | | | | | |
| 260: | | | | | | | | | | 715: | | | | | | | | | | 716: | | | | | | | | | | 717: | | | | | | | | | |
| 261: | | | | | | | | | | 718: | | | | | | | | | | 719: | | | | | | | | | | 720: | | | | | | | | | |
| 262: | | | | | | | | | | 721: | | | | | | | | | | 722: | | | | | | | | | | 723: | | | | | | | | | |
| 263: | | | | | | | | | | 724: | | | | | | | | | | 725: | | | | | | | | | | 726: | | | | | | | | | |
| 264: | | | | | | | | | | 727: | | | | | | | | | | 728: | | | | | | | | | | 729: | | | | | | | | | |
| 265: | | | | | | | | | | 730: | | | | | | | | | | 731: | | | | | | | | | | 732: | | | | | | | | | |
| 266: | | | | | | | | | | 733: | | | | | | | | | | 734: | | | | | | | | | | 735: | | | | | | | | | |
| 267: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| ***** INTEGRATED ARI LAG SEASONAL WITH CONSTANT ***** | | | | | | | | | |
|---|--------|--------|--------|-------|-------------------------|--------|--------|---------|-------|
| PERISHABLES | | | | | | | | | |
| NSN | PCK | DEP | LT | PC | NOMENCLATURE | NOP | ITEM # | MODEL = | 13 |
| 8905001268743 | 1 | LA | 3 | 1 | PORK, SPARERIBS, FROZEN | 71 | 1396 | | |
| ***** | | | | | | | | | |
| LEAD TIME ESTIMATES | | | | | | | | | |
| MONTH: | ACT | IFCT | ERR | % ERR | DFACT | LOR | % ERR | MONTH: | ACT |
| 31: | 88510 | 68552 | 19958 | .23 | 67535 | 20975 | .24 | 31: | 35112 |
| 32: | 97324 | 60264 | 37060 | .38 | 70686 | 26638 | .27 | 32: | 18506 |
| 33: | 107664 | 76192 | 31472 | .29 | 78782 | 28882 | .27 | 33: | 16506 |
| 34: | 112692 | 102377 | 10315 | .09 | 97370 | 15322 | .14 | 34: | 15606 |
| 35: | 110603 | 104888 | 5715 | .05 | 101330 | 9273 | .08 | 35: | 15606 |
| 36: | 98417 | 120545 | -22128 | -.22 | 109545 | -11128 | -.11 | 36: | 15606 |
| 37: | 96736 | 128562 | -31826 | -.33 | 117003 | -20267 | -.21 | 37: | 15606 |
| 38: | 86151 | 115129 | -28978 | -.34 | 104836 | -18685 | -.22 | 38: | 15606 |
| 39: | 76721 | 92759 | -16038 | -.21 | 86642 | -9921 | -.13 | 39: | 15606 |
| 40: | 68139 | 106683 | -38544 | -.57 | 106503 | -38364 | -.56 | 40: | 15606 |
| 41: | 66009 | 66017 | -8 | .00 | 76733 | -10724 | -.16 | 41: | 15606 |
| 42: | 73660 | 71754 | 1906 | .03 | 61649 | 12011 | .16 | 42: | 15606 |
| 43: | 69664 | 87298 | -17634 | -.25 | 79332 | -9668 | -.14 | 43: | 15606 |
| 44: | 79417 | 68784 | 10633 | .13 | 63467 | 15950 | .20 | 44: | 15606 |
| 45: | 114045 | 84971 | 29074 | .25 | 71595 | 42450 | .37 | 45: | 15606 |
| 46: | 123088 | 77445 | 45643 | .37 | 74100 | 48988 | .40 | 46: | 15606 |
| 47: | 128164 | 85534 | 42630 | .33 | 84800 | 43364 | .34 | 47: | 15606 |
| 48: | 103438 | 129365 | -25927 | -.25 | 143730 | -40292 | -.39 | 48: | 15606 |
| 49: | 94553 | 104717 | -10164 | -.11 | 114377 | -19824 | -.21 | 49: | 15606 |
| 50: | 74807 | 122638 | -47831 | -.64 | 116787 | -41980 | -.56 | 50: | 15606 |
| 51: | 54580 | 96973 | -42393 | -.78 | 101337 | -46757 | -.86 | 51: | 15606 |
| 52: | 41528 | 81412 | -39884 | -.96 | 86782 | -45254 | -.99 | 52: | 15606 |
| 53: | 43200 | 60121 | -16921 | -.39 | 60490 | -17290 | -.40 | 53: | 15606 |
| 54: | 49789 | 51405 | -1616 | -.03 | 46568 | 3221 | .06 | 54: | 15606 |
| 55: | 60851 | 41559 | 19292 | .32 | 40691 | 20160 | .33 | 55: | 15606 |
| 56: | 72735 | 52266 | 20469 | .28 | 47195 | 25540 | .35 | 56: | 15606 |
| 57: | 87994 | 74113 | 13881 | .16 | 54056 | 33938 | .39 | 57: | 15606 |
| 58: | 90758 | 95364 | -4606 | -.05 | 66946 | 23812 | .26 | 58: | 15606 |
| 59: | 95523 | 105514 | -9991 | -.10 | 79788 | 15735 | .16 | 59: | 15606 |
| 60: | 87262 | 85188 | 2074 | .02 | 96047 | -8785 | -.10 | 60: | 15606 |
| 61: | 74486 | 67633 | 6853 | .09 | 86045 | -11559 | -.16 | 61: | 15606 |
| 62: | 59288 | 67388 | -8100 | -.14 | 98330 | -39042 | -.66 | 62: | 15606 |
| 63: | 44631 | 52522 | -7891 | -.18 | 83289 | -38658 | -.87 | 63: | 15606 |
| 64: | 46318 | 34597 | 11721 | .25 | 58745 | -12427 | -.27 | 64: | 15606 |
| 65: | 41837 | 42264 | -427 | -.01 | 57415 | -15578 | -.37 | 65: | 15606 |
| 66: | 46350 | 36632 | 9718 | .21 | 39989 | 6361 | .14 | 66: | 15606 |
| 67: | 55166 | 60374 | -5208 | -.09 | 47192 | 7974 | .14 | 67: | 15606 |
| 68: | 68795 | 58175 | 10620 | .15 | 41968 | 26827 | .39 | 68: | 15606 |
| 69: | 70152 | 70768 | -616 | -.01 | 47618 | 22534 | .32 | 69: | 15606 |
| 70: | 54500 | 78142 | -23642 | -.43 | 64840 | -10340 | -.19 | 70: | 15606 |
| 71: | 37336 | 84421 | -47085 | -1.26 | 75890 | -38554 | -1.03 | 71: | 15606 |
| 72: | 32383 | 63719 | -31336 | -.97 | 61554 | -29171 | -.90 | 72: | 15606 |
| 73: | 31965 | 39627 | -7662 | -.24 | 41029 | -9064 | -.28 | 73: | 15606 |
| ***** | | | | | | | | | |
| PROCUREMENT CYCLE ESTIMATES | | | | | | | | | |
| MONTH: | ACT | IFCT | ERR | % ERR | DFACT | LOR | % ERR | MONTH: | ACT |
| 31: | 35112 | 18506 | 16506 | .47 | 22512 | 12600 | .36 | 31: | 35112 |
| 32: | 37142 | 25250 | 11892 | .32 | 23662 | 13580 | .37 | 32: | 37142 |
| 33: | 40438 | 26535 | 13903 | .34 | 26261 | 14177 | .35 | 33: | 40438 |
| 34: | 33023 | 30629 | 2394 | .07 | 32457 | 566 | .02 | 34: | 33023 |
| 35: | 24956 | 38212 | -13256 | -.53 | 33777 | -8821 | -.35 | 35: | 24956 |
| 36: | 38757 | 39857 | -1100 | -.03 | 36515 | 2242 | .06 | 36: | 38757 |
| 37: | 22438 | 43031 | -20593 | -.92 | 39001 | -16563 | -.74 | 37: | 22438 |
| 38: | 15526 | 38732 | -23206 | -1.49 | 34945 | -19419 | -1.25 | 38: | 15526 |
| 39: | 30175 | 30823 | -648 | -.02 | 28881 | 1294 | .04 | 39: | 30175 |
| 40: | 20308 | 34280 | -13972 | -.69 | 35501 | -15193 | -.75 | 40: | 20308 |
| 41: | 23177 | 32970 | -9793 | -.42 | 25578 | -2401 | -.10 | 41: | 23177 |
| 42: | 26179 | 22298 | 3881 | .15 | 20550 | 5629 | .22 | 42: | 26179 |
| 43: | 30061 | 26613 | 3448 | .11 | 26444 | 3617 | .12 | 43: | 30061 |
| 44: | 57805 | 27900 | 29905 | .52 | 21156 | 36649 | .63 | 44: | 57805 |
| 45: | 35222 | 24090 | 11132 | .32 | 23865 | 11357 | .32 | 45: | 35222 |
| 46: | 35137 | 24318 | 10819 | .31 | 24700 | 10437 | .30 | 46: | 35137 |
| 47: | 33079 | 26506 | 6573 | .20 | 28267 | 4812 | .15 | 47: | 33079 |
| 48: | 26337 | 42764 | -16427 | -.62 | 47910 | -21573 | -.82 | 48: | 26337 |
| 49: | 15391 | 44731 | -29340 | -1.91 | 38126 | -22735 | -1.48 | 49: | 15391 |
| 50: | 12852 | 31997 | -19145 | -1.49 | 38929 | -26077 | -2.03 | 50: | 12852 |
| 51: | 13285 | 37813 | -24528 | -1.85 | 33779 | -20494 | -1.54 | 51: | 13285 |
| 52: | 17063 | 28004 | -10941 | -.64 | 28927 | -11864 | -.70 | 52: | 17063 |
| 53: | 19441 | 21926 | -2485 | -.13 | 20163 | -722 | -.04 | 53: | 19441 |
| 54: | 24347 | 18835 | 5512 | .23 | 15523 | 8824 | .36 | 54: | 24347 |
| 55: | 28947 | 12323 | 16624 | .57 | 13564 | 15383 | .53 | 55: | 28947 |
| 56: | 34700 | 30178 | 4522 | .13 | 15732 | 18968 | .55 | 56: | 34700 |
| 57: | 27111 | 22484 | 4627 | .17 | 18019 | 9092 | .34 | 57: | 27111 |
| 58: | 33712 | 25088 | 8624 | .26 | 22315 | 11397 | .34 | 58: | 33712 |
| 59: | 26439 | 27724 | -1285 | -.05 | 26596 | -157 | -.01 | 59: | 26439 |
| 60: | 14335 | 17421 | -3086 | -.22 | 32016 | -17681 | -1.23 | 60: | 14335 |
| 61: | 18514 | 21797 | -3283 | -.18 | 28682 | -10168 | -.55 | 61: | 18514 |
| 62: | 11782 | 20228 | -8446 | -.72 | 32777 | -20995 | -1.78 | 62: | 11782 |
| 63: | 16022 | 20937 | -4915 | -.31 | 27763 | -11741 | -.73 | 63: | 16022 |
| 64: | 14033 | 16014 | -1981 | -.14 | 19582 | -5549 | -.40 | 64: | 14033 |
| 65: | 16295 | 18326 | -2031 | -.12 | 19138 | -2843 | -.17 | 65: | 16295 |
| 66: | 24838 | 20811 | 4027 | .16 | 13330 | 11508 | .46 | 66: | 24838 |
| 67: | 27662 | 21540 | 6122 | .22 | 15731 | 11931 | .43 | 67: | 27662 |
| 68: | 17652 | 23710 | -6058 | -.34 | 13989 | 3663 | .21 | 68: | 17652 |
| 69: | 9186 | 18680 | -9494 | -1.03 | 15873 | -6687 | -.73 | 69: | 9186 |
| 70: | 10498 | 24972 | -14474 | -1.38 | 21613 | -11115 | -1.06 | 70: | 10498 |
| 71: | 12699 | 24734 | -12035 | -.95 | 25297 | -12598 | -.99 | 71: | 12699 |
| 72: | 8768 | 11954 | -3186 | -.36 | 20518 | -11750 | -1.34 | 72: | 8768 |
| 73: | 10778 | 8658 | 2120 | .20 | 13676 | -2898 | .27 | 73: | 10778 |
| ***** | | | | | | | | | |
| RESULTS | | | | | | | | | |
| MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE | MAD |
| 18965 | -3661 | .28 | 23100 | -2172 | .35 | 9731 | -2162 | .50 | 11344 |
| ***** | | | | | | | | | |
| NO OF FIT PARAMETERS = 3 | | | | | | | | | |
| LEAD TIME PARAMETERS : | | | | | | | | | |
| PROC CYCLE PARAMETERS : | | | | | | | | | |
| .55 | | | | | | | | | |
| .51 | | | | | | | | | |
| .60 | | | | | | | | | |
| .51 | | | | | | | | | |
| -505.91 | | | | | | | | | |
| -481.70 | | | | | | | | | |

| PERISHABLES | | | | | | | | | | MODEL = 14 | | | | | | | | | |
|--|--------|--------|--------|-------|--------|--------|-------|--------|-------|-----------------------------|--------|-------|-------|--------|-------|--|--|--|--|
| NSN | | | | | | | | | | ITEM # | | | | | | | | | |
| 8905001268743 1 LA 3 1 PORK, SPARERIBS, FROZEN | | | | | | | | | | 1396 | | | | | | | | | |
| PC NOMENCLATURE | | | | | | | | | | NDP | | | | | | | | | |
| AR2 WITH CONSTANT | | | | | | | | | | 71 | | | | | | | | | |
| LEAD TIME ESTIMATES | | | | | | | | | | PROCUREMENT CYCLE ESTIMATES | | | | | | | | | |
| MONTH: | ACT | IFCT | ERR | % ERR | DFT | ERR | % ERR | MONTH: | ACT | IFCT | ERR | % ERR | DFT | ERR | % ERR | | | | |
| 31: | 88510 | 87550 | 960 | .01 | 67535 | 20975 | .24 | 31: | 35112 | 31137 | 3975 | .11 | 22512 | 12600 | .36 | | | | |
| 32: | 97324 | 85182 | 12142 | .12 | 70686 | 26638 | .27 | 32: | 37142 | 29387 | 7755 | .21 | 23562 | 13580 | .37 | | | | |
| 33: | 107664 | 84857 | 22807 | .21 | 78782 | 28882 | .27 | 33: | 40438 | 28977 | 11461 | .28 | 26261 | 14177 | .35 | | | | |
| 34: | 112692 | 89898 | 22794 | .20 | 97370 | 15322 | .14 | 34: | 33023 | 27418 | 5605 | .17 | 32457 | 566 | .02 | | | | |
| 35: | 110603 | 87169 | 23434 | .21 | 101330 | 9273 | .08 | 35: | 24956 | 26417 | 1461 | .06 | 33777 | 8821 | .35 | | | | |
| 36: | 98417 | 89107 | 9310 | .09 | 109545 | 11128 | .11 | 36: | 38757 | 26216 | 12541 | .32 | 36515 | 2242 | .06 | | | | |
| 37: | 96736 | 91889 | 4847 | .05 | 117003 | 20267 | .21 | 37: | 22438 | 25484 | -3046 | -.14 | 39001 | 16563 | .74 | | | | |
| 38: | 86151 | 87233 | -1082 | -.01 | 104836 | 18685 | -.22 | 38: | 15526 | 26566 | -11040 | -.71 | 34945 | 19419 | 1.25 | | | | |
| 39: | 76721 | 84020 | -7299 | -.10 | 86642 | -9921 | -.13 | 39: | 30175 | 29324 | 851 | .03 | 28881 | 1294 | .04 | | | | |
| 40: | 68139 | 97515 | -29376 | -.43 | 106503 | -38364 | -.56 | 40: | 20308 | 29061 | -8753 | -.43 | 35501 | -15193 | -.75 | | | | |
| 41: | 66009 | 80030 | -14021 | -.21 | 78733 | -10724 | -.16 | 41: | 23177 | 28991 | -5814 | -.25 | 25578 | -2401 | -.10 | | | | |
| 42: | 73660 | 79811 | -6151 | -.08 | 61649 | 12011 | .16 | 42: | 26179 | 32961 | -6782 | -.26 | 20550 | 5629 | .22 | | | | |
| 43: | 69664 | 91402 | -21738 | -.31 | 79332 | -9668 | -.14 | 43: | 30061 | 32384 | -2323 | -.08 | 26444 | 3617 | .12 | | | | |
| 44: | 79417 | 80504 | -1087 | -.01 | 63467 | 15950 | .20 | 44: | 57805 | 30684 | 27121 | .07 | 21156 | 36649 | .63 | | | | |
| 45: | 114045 | 85392 | 28653 | .25 | 71595 | 42450 | .37 | 45: | 35222 | 32055 | 3167 | .13 | 23865 | 11357 | .32 | | | | |
| 46: | 123088 | 85405 | 37683 | .31 | 74100 | 48988 | .40 | 46: | 35137 | 30489 | 4648 | .09 | 24700 | 10437 | .30 | | | | |
| 47: | 128164 | 87487 | 40677 | .32 | 84800 | 43364 | .34 | 47: | 33079 | 29158 | 3921 | .12 | 28267 | 4812 | .15 | | | | |
| 48: | 103438 | 105231 | -1793 | -.02 | 143730 | -40292 | -.39 | 48: | 26337 | 21503 | 4834 | .18 | 47910 | -21573 | -.82 | | | | |
| 49: | 94553 | 81920 | 12633 | .13 | 114377 | -19824 | -.21 | 49: | 15391 | 22880 | -7489 | -.49 | 38126 | -22735 | -1.48 | | | | |
| 50: | 74807 | 90531 | -15724 | -.21 | 116787 | -41980 | -.56 | 50: | 12852 | 26807 | -13955 | -.10 | 38929 | -26077 | -2.03 | | | | |
| 51: | 54580 | 88997 | -34417 | -.63 | 101337 | -46757 | -.86 | 51: | 13285 | 27455 | -14170 | -.10 | 33779 | -20494 | -1.54 | | | | |
| 52: | 41528 | 86340 | -44812 | -1.08 | 86782 | -42524 | -.09 | 52: | 17063 | 29574 | -12511 | -.73 | 28927 | -11864 | -.70 | | | | |
| 53: | 43200 | 81348 | -38148 | -.88 | 60490 | -17290 | -.40 | 53: | 19441 | 33257 | -13816 | -.71 | 20163 | -722 | -.04 | | | | |
| 54: | 49789 | 83223 | -33434 | -.67 | 46568 | 3221 | .06 | 54: | 24347 | 36914 | -12567 | -.52 | 15523 | 8824 | .36 | | | | |
| 55: | 60851 | 83425 | -22574 | -.37 | 40691 | 20160 | .33 | 55: | 28947 | 37676 | -8729 | -.30 | 13564 | 15383 | .53 | | | | |
| 56: | 72735 | 83364 | -10629 | -.15 | 47195 | 25540 | .35 | 56: | 34700 | 36456 | -1756 | -.05 | 15732 | 18968 | .55 | | | | |
| 57: | 87994 | 81185 | 6809 | .08 | 54056 | 33938 | .39 | 57: | 27111 | 33971 | -6860 | -.25 | 18019 | 9092 | .34 | | | | |
| 58: | 90758 | 83735 | 7023 | .08 | 68946 | 23812 | .26 | 58: | 33712 | 31674 | 2038 | .06 | 22315 | 11397 | .34 | | | | |
| 59: | 95523 | 86353 | 9170 | .10 | 79788 | 15735 | .16 | 59: | 26439 | 29402 | -2963 | -.11 | 26596 | -157 | -.01 | | | | |
| 60: | 87262 | 90566 | -3304 | -.04 | 96047 | -8785 | -.10 | 60: | 14335 | 27462 | -13127 | -.92 | 32016 | -17681 | -1.23 | | | | |
| 61: | 74486 | 81806 | -7320 | -.10 | 86045 | -11559 | -.16 | 61: | 18514 | 26681 | -8167 | -.44 | 28682 | -10168 | -.55 | | | | |
| 62: | 59288 | 90562 | -31274 | -.53 | 98330 | -39042 | -.66 | 62: | 11782 | 28062 | -16280 | -.13 | 32777 | -20995 | -1.78 | | | | |
| 63: | 44631 | 81545 | -36914 | -.83 | 83289 | -38658 | -.87 | 63: | 16022 | 27010 | -10988 | -.69 | 27763 | -11741 | -.73 | | | | |
| 64: | 46318 | 72379 | -26061 | -.56 | 58745 | -12427 | -.27 | 64: | 14033 | 30413 | -16380 | -.17 | 19582 | -5549 | -.40 | | | | |
| 65: | 41837 | 79934 | -38097 | -.91 | 57415 | -15578 | -.37 | 65: | 16295 | 33036 | -16741 | -.10 | 19138 | -2843 | -.17 | | | | |
| 66: | 46350 | 71908 | -25558 | -.55 | 39989 | 6361 | .14 | 66: | 24838 | 32713 | -7875 | -.32 | 13330 | 11508 | .46 | | | | |
| 67: | 55166 | 77353 | -22187 | -.40 | 47192 | 7974 | .14 | 67: | 27662 | 33819 | -6157 | -.22 | 15731 | 11931 | .43 | | | | |
| 68: | 68795 | 71380 | -2585 | -.04 | 41968 | 26827 | .39 | 68: | 17652 | 32049 | -14397 | -.82 | 13989 | 3663 | .21 | | | | |
| 69: | 70152 | 73092 | -2940 | -.04 | 47818 | 22534 | .32 | 69: | 9186 | 31456 | -22270 | -.24 | 15873 | -6687 | -.73 | | | | |
| 70: | 54500 | 81090 | -26590 | -.49 | 64840 | -10340 | -.19 | 70: | 10498 | 30091 | -19593 | -.18 | 21613 | -11115 | -.10 | | | | |
| 71: | 37336 | 82212 | -44876 | -1.20 | 75890 | -38554 | -1.03 | 71: | 12699 | 27637 | -14938 | -.18 | 25297 | -12598 | -.99 | | | | |
| 72: | 32383 | 70076 | -37693 | -1.16 | 61554 | -29171 | -.90 | 72: | 8768 | 26974 | -18206 | -.20 | 20518 | -11750 | -.34 | | | | |
| 73: | 31965 | 62214 | -30249 | -.95 | 41029 | -9064 | -.28 | 73: | 10778 | 28372 | -17594 | -.16 | 13676 | -2898 | -.27 | | | | |
| RESULTS | MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE | | | | |
| | 19927 | -8814 | .35 | 23100 | -2172 | .35 | 9876 | -5787 | .59 | 11344 | -1682 | .59 | | | | | | | |

| RESULTS | MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE |
|--------------------------|-------|------|------|-------|-------|------|------|-------|------|-------|-------|----------|
| 19927 | -8814 | | .35 | 23100 | -2172 | .35 | 9876 | -5787 | .59 | 11344 | -1682 | .59 |
| NO OF FIT PARAMETERS = 3 | | | | | | | | | | | | |
| LEAD TIME PARAMETERS : | | | | | | | | | | | | |
| PROC CYCLE PARAMETERS : | | | | | | | | | | | | |
| | | | -.18 | | | 1.12 | | | | | | 55062.98 |
| | | | -.19 | | | .00 | | | | | | 31739.42 |

PERISHABLES -- AR2 HARMONIC WITH CONSTANT NSN PCK DEP LT PC NOMENCLATURE 8905001268743 1 LA 3 1 PORK, SPARERIBS, FROZEN

MODEL = 15 ITEM # 1396 NDP 71

| LEAD TIME ESTIMATES | | | | | | | | | | PROCUREMENT CYCLE ESTIMATES | | | | | | | | | |
|---------------------|--------|--------|--------|-------|--------|--------|-------|--------|-------|-----------------------------|--------|-------|-------|--------|-------|--|--|--|--|
| MONTH: | ACT | IFCT | ERR | % ERR | DFACT | ERR | % ERR | MONTH: | ACT | IFCT | ERR | % ERR | DFACT | ERR | % ERR | | | | |
| 31: | 88510 | 68701 | 19809 | .22 | 67536 | 20975 | .24 | 31: | 35112 | 26212 | 8900 | .25 | 22512 | 12600 | .36 | | | | |
| 32: | 97324 | 77764 | 19560 | .20 | 70686 | 26638 | .27 | 32: | 37142 | 32356 | 4786 | .13 | 23562 | 13580 | .37 | | | | |
| 33: | 107664 | 88089 | 19575 | .18 | 78782 | 28882 | .27 | 33: | 40438 | 35063 | 5375 | .13 | 26261 | 14177 | .35 | | | | |
| 34: | 112692 | 97741 | 14951 | .13 | 97370 | 15322 | .14 | 34: | 33023 | 34236 | -1213 | -.04 | 32457 | 566 | .02 | | | | |
| 35: | 110603 | 102164 | 8439 | .08 | 101330 | 9273 | .08 | 35: | 24956 | 33507 | -8551 | -.34 | 33777 | -8821 | -.35 | | | | |
| 36: | 98417 | 103200 | -4783 | -.05 | 109545 | -11128 | -.11 | 36: | 38757 | 30129 | 8628 | .22 | 36515 | 2242 | .06 | | | | |
| 37: | 96736 | 99238 | -2502 | -.03 | 117003 | -20267 | -.21 | 37: | 22438 | 26569 | -4131 | -.18 | 39001 | -16563 | -.74 | | | | |
| 38: | 86151 | 88726 | -2575 | -.03 | 104836 | -18685 | -.22 | 38: | 15526 | 24491 | -8965 | -.58 | 34945 | -19419 | -1.25 | | | | |
| 39: | 76721 | 77473 | -752 | -.01 | 86642 | -9921 | -.13 | 39: | 30175 | 22919 | 7256 | .24 | 28881 | 1294 | .04 | | | | |
| 40: | 68139 | 75102 | -6963 | -.10 | 106503 | -38364 | -.36 | 40: | 20308 | 21329 | -1021 | -.05 | 35501 | -15193 | -.75 | | | | |
| 41: | 66009 | 66841 | -832 | -.01 | 76733 | -10724 | -.16 | 41: | 23177 | 26418 | -3241 | -.14 | 25578 | -2401 | -.10 | | | | |
| 42: | 36660 | 67856 | 5804 | .08 | 61649 | 12011 | .16 | 42: | 26179 | 28637 | -2458 | -.09 | 20550 | 5629 | .22 | | | | |
| 43: | 69664 | 77613 | -7949 | -.11 | 79332 | -9668 | -.14 | 43: | 30061 | 30469 | -408 | -.01 | 26444 | 3617 | .12 | | | | |
| 44: | 79417 | 83724 | -4307 | -.05 | 63467 | 19950 | .20 | 44: | 57805 | 35464 | 22341 | .39 | 21156 | 36649 | .63 | | | | |
| 45: | 114045 | 93958 | 20087 | .18 | 71595 | 42450 | .37 | 45: | 35222 | 35773 | -551 | -.02 | 23865 | 11357 | .32 | | | | |
| 46: | 123088 | 100953 | 22135 | .18 | 74100 | 48988 | .40 | 46: | 35137 | 35175 | -38 | .00 | 24700 | 10437 | .30 | | | | |
| 47: | 128164 | 104431 | 23733 | .19 | 84800 | 43364 | .34 | 47: | 33079 | 32901 | 178 | .01 | 28267 | 4812 | .15 | | | | |
| 48: | 103438 | 107561 | -4123 | -.04 | 143730 | -40292 | -.39 | 48: | 26337 | 25541 | 796 | .03 | 47910 | -21573 | -.82 | | | | |
| 49: | 94553 | 96206 | -1653 | -.02 | 114377 | -19824 | -.21 | 49: | 15391 | 29753 | -14362 | -.93 | 38126 | -22735 | -1.48 | | | | |
| 50: | 74807 | 88751 | -13944 | -.19 | 116787 | -41980 | -.36 | 50: | 12852 | 22625 | -9773 | -.76 | 38929 | -26077 | -2.03 | | | | |
| 51: | 54580 | 77989 | -23409 | -.43 | 101337 | -46757 | -.86 | 51: | 13285 | 21585 | -8300 | -.62 | 33779 | -20494 | -1.54 | | | | |
| 52: | 41528 | 69807 | -28279 | -.68 | 86782 | -45254 | -1.09 | 52: | 17063 | 23078 | -6015 | -.35 | 28927 | -11864 | -.70 | | | | |
| 53: | 43200 | 66127 | -22927 | -.53 | 60490 | -17290 | -.40 | 53: | 19441 | 26612 | -7171 | -.37 | 20163 | -722 | -.04 | | | | |
| 54: | 49789 | 68834 | -19045 | -.38 | 46568 | 3221 | .06 | 54: | 24347 | 30297 | -5950 | -.24 | 15523 | 8824 | .36 | | | | |
| 55: | 60851 | 75993 | -15042 | -.25 | 40691 | 20160 | .33 | 55: | 28947 | 34134 | -5187 | -.18 | 13564 | 15383 | .53 | | | | |
| 56: | 72735 | 86214 | -13479 | -.19 | 47195 | 25540 | .35 | 56: | 34700 | 36732 | -2032 | -.06 | 15732 | 18968 | .55 | | | | |
| 57: | 87994 | 96468 | -8474 | -.10 | 54056 | 33938 | .39 | 57: | 27111 | 37630 | -10519 | -.39 | 18019 | 9092 | .34 | | | | |
| 58: | 90758 | 104563 | -13805 | -.15 | 66946 | 23812 | .26 | 58: | 33712 | 36031 | -2319 | -.07 | 22315 | 11397 | .34 | | | | |
| 59: | 95523 | 107410 | -11887 | -.12 | 79788 | 15735 | .16 | 59: | 26439 | 32669 | -6230 | -.24 | 26596 | -157 | -.01 | | | | |
| 60: | 87262 | 104905 | -17643 | -.20 | 96047 | -8785 | -.10 | 60: | 14335 | 28109 | -13774 | -.96 | 32016 | -17681 | -1.23 | | | | |
| 61: | 74486 | 93492 | -19006 | -.26 | 86045 | -11559 | -.16 | 61: | 18514 | 24276 | -5762 | -.31 | 28682 | -10168 | -.55 | | | | |
| 62: | 59288 | 82976 | -23688 | -.40 | 98330 | -39042 | -.66 | 62: | 11782 | 19942 | -8160 | -.69 | 32777 | -20995 | -1.78 | | | | |
| 63: | 44631 | 70450 | -25819 | -.58 | 83289 | -38558 | -.87 | 63: | 16022 | 19625 | -3603 | -.22 | 27763 | -11741 | -.73 | | | | |
| 64: | 46318 | 57636 | -11318 | -.24 | 58745 | -12427 | -.27 | 64: | 14033 | 20500 | -6467 | -.46 | 19582 | -5549 | -.40 | | | | |
| 65: | 41837 | 55420 | -13583 | -.32 | 57415 | -15578 | -.37 | 65: | 16295 | 22382 | -6087 | -.37 | 19138 | -2843 | -.17 | | | | |
| 66: | 46350 | 58301 | -11951 | -.26 | 39989 | 6361 | .14 | 66: | 24838 | 27608 | -2770 | -.11 | 13330 | 11508 | .46 | | | | |
| 67: | 55166 | 68447 | -13281 | -.24 | 47192 | 7974 | .14 | 67: | 27662 | 31136 | -3474 | -.13 | 15731 | 11931 | .43 | | | | |
| 68: | 68795 | 79506 | -10711 | -.16 | 41968 | 26927 | .39 | 68: | 17652 | 34646 | -16994 | -.96 | 13989 | 3663 | .21 | | | | |
| 69: | 70152 | 89249 | -19097 | -.27 | 47618 | 22534 | .32 | 69: | 9186 | 34794 | -25608 | -2.79 | 15873 | -6687 | -.73 | | | | |
| 70: | 54500 | 98931 | -44431 | -.82 | 64840 | -10340 | -.19 | 70: | 10498 | 33203 | -22705 | -2.16 | 21613 | -11115 | -1.06 | | | | |
| 71: | 37336 | 102004 | -64668 | -1.73 | 75890 | -38554 | -1.03 | 71: | 12699 | 30477 | -17778 | -1.40 | 25297 | -12598 | -.99 | | | | |
| 72: | 32383 | 89723 | -57340 | -1.77 | 61554 | -29171 | -.90 | 72: | 8768 | 24819 | -16051 | -1.83 | 20518 | -11750 | -1.34 | | | | |
| 73: | 31965 | 67554 | -35589 | -1.11 | 41029 | -9064 | -.28 | 73: | 10778 | 15427 | -4649 | -.43 | 13676 | -2898 | -.27 | | | | |

| RESULTS | MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE |
|---------|-------|------|-------|-------|------|------|-------|------|-------|-------|------|------|
| 16952 | -9785 | .31 | 23100 | -2172 | .35 | 7455 | -4746 | .46 | 11344 | -1682 | .59 | |

NO OF FIT PARAMETERS = 5
LEAD TIME PARAMETERS :
PROC CYCLE PARAMETERS :

| PERISHABLES | | | | | | | | | | INTEGRATED AR2 WITH CONSTANT | | | | | | | | | | MODEL = | | | | | | | | | | 17 | | | | | | | | | |
|---------------------|--------|--------|--------|-------|--------|--------|-------|--------|-------|----------------------------------|--------|-------|-------|--------|-------|--------|-------|-------|--------|---------|-------|--------|-------|--|--|--|--|--|--|--------|--|--|--|--|--|--|--|--|--|
| NSN | | | | | | | | | | PCK DEP LT PC NOMENCLATURE | | | | | | | | | | NDP | | | | | | | | | | ITEM # | | | | | | | | | |
| 8905001268743 | | | | | | | | | | 1 LA 3 1 PORK, SPARERIBS, FROZEN | | | | | | | | | | 71 | | | | | | | | | | 1396 | | | | | | | | | |
| LEAD TIME ESTIMATES | | | | | | | | | | PROCUREMENT CYCLE ESTIMATES | | | | | | | | | | ERR | | | | | | | | | | % ERR | | | | | | | | | |
| MONTH: | ACT | IFCT | ERR | % ERR | DFACT | ERR | % ERR | MONTH: | ACT | IFCT | ERR | % ERR | DFACT | ERR | % ERR | MONTH: | ACT | IFCT | ERR | % ERR | DFACT | ERR | % ERR | | | | | | | | | | | | | | | | |
| 31: | 88510 | 68471 | 20039 | .23 | 67535 | 20975 | .24 | 31: | 35112 | 19809 | 15303 | .44 | 22512 | 12600 | .36 | 31: | 35112 | 19809 | 15303 | .44 | 22512 | 12600 | .36 | | | | | | | | | | | | | | | | |
| 32: | 97324 | 64634 | 32690 | .34 | 70686 | 26638 | .27 | 32: | 37142 | 20605 | 16537 | .45 | 23562 | 13580 | .37 | 32: | 37142 | 20605 | 16537 | .45 | 23562 | 13580 | .37 | | | | | | | | | | | | | | | | |
| 33: | 107664 | 76554 | 31110 | .29 | 78782 | 28882 | .27 | 33: | 40438 | 24796 | 15642 | .39 | 26261 | 14177 | .35 | 33: | 40438 | 24796 | 15642 | .39 | 26261 | 14177 | .35 | | | | | | | | | | | | | | | | |
| 34: | 112692 | 94171 | 18521 | .16 | 97370 | 15322 | .14 | 34: | 33023 | 28480 | 4543 | .14 | 32457 | 566 | .02 | 34: | 33023 | 28480 | 4543 | .14 | 32457 | 566 | .02 | | | | | | | | | | | | | | | | |
| 35: | 110603 | 99775 | 10828 | .10 | 101330 | 9273 | .08 | 35: | 24956 | 31614 | -6558 | -.27 | 33777 | -8821 | -.35 | 35: | 24956 | 31614 | -6558 | -.27 | 33777 | -8821 | -.35 | | | | | | | | | | | | | | | | |
| 36: | 98417 | 111523 | -13106 | -.13 | 109545 | -11128 | -.11 | 36: | 38757 | 36827 | 1930 | .05 | 36515 | 2242 | .06 | 36: | 38757 | 36827 | 1930 | .05 | 36515 | 2242 | .06 | | | | | | | | | | | | | | | | |
| 37: | 96736 | 118839 | -22103 | -.23 | 117003 | -20267 | -.21 | 37: | 22438 | 39191 | -16753 | -.75 | 39001 | -16563 | -.74 | 37: | 22438 | 39191 | -16753 | -.75 | 39001 | -16563 | -.74 | | | | | | | | | | | | | | | | |
| 38: | 86151 | 108194 | -22043 | -.26 | 104836 | -18685 | -.22 | 38: | 15526 | 37839 | -22313 | -1.44 | 34945 | -19419 | -1.25 | 38: | 15526 | 37839 | -22313 | -1.44 | 34945 | -19419 | -1.25 | | | | | | | | | | | | | | | | |
| 39: | 76721 | 92225 | -15504 | -.20 | 86642 | -9921 | -.13 | 39: | 30175 | 33512 | -3337 | -.11 | 28881 | 1294 | .04 | 39: | 30175 | 33512 | -3337 | -.11 | 28881 | 1294 | .04 | | | | | | | | | | | | | | | | |
| 40: | 68139 | 108052 | -39913 | -.59 | 106503 | -38364 | -.56 | 40: | 20308 | 34462 | -14154 | -.70 | 35501 | -15193 | -.75 | 40: | 20308 | 34462 | -14154 | -.70 | 35501 | -15193 | -.75 | | | | | | | | | | | | | | | | |
| 41: | 66009 | 76007 | -9998 | -.15 | 76733 | -10724 | -.16 | 41: | 23177 | 28243 | -5066 | -.22 | 25578 | -2401 | -.10 | 41: | 23177 | 28243 | -5066 | -.22 | 25578 | -2401 | -.10 | | | | | | | | | | | | | | | | |
| 42: | 73660 | 66066 | 7594 | .10 | 61649 | 12011 | .16 | 42: | 26179 | 25368 | 811 | .03 | 20550 | 5629 | .22 | 42: | 26179 | 25368 | 811 | .03 | 20550 | 5629 | .22 | | | | | | | | | | | | | | | | |
| 43: | 69664 | 76065 | -6401 | -.09 | 79332 | -9668 | -.14 | 43: | 30061 | 24560 | 5501 | .18 | 26444 | 3617 | .12 | 43: | 30061 | 24560 | 5501 | .18 | 26444 | 3617 | .12 | | | | | | | | | | | | | | | | |
| 44: | 79417 | 62115 | 17302 | .22 | 63467 | 15950 | .20 | 44: | 57805 | 20893 | 36912 | .64 | 21156 | 36649 | .63 | 44: | 57805 | 20893 | 36912 | .64 | 21156 | 36649 | .63 | | | | | | | | | | | | | | | | |
| 45: | 114045 | 72624 | 41421 | .36 | 71595 | 42450 | .37 | 45: | 35222 | 24241 | 10981 | .31 | 23865 | 11357 | .32 | 45: | 35222 | 24241 | 10981 | .31 | 23865 | 11357 | .32 | | | | | | | | | | | | | | | | |
| 46: | 123088 | 71956 | 51132 | .42 | 74100 | 48988 | .40 | 46: | 35137 | 22703 | 12434 | .35 | 24700 | 10437 | .30 | 46: | 35137 | 22703 | 12434 | .35 | 24700 | 10437 | .30 | | | | | | | | | | | | | | | | |
| 47: | 128164 | 82951 | 45213 | .35 | 84800 | 43364 | .34 | 47: | 33079 | 26302 | 6777 | .20 | 28267 | 4812 | .15 | 47: | 33079 | 26302 | 6777 | .20 | 28267 | 4812 | .15 | | | | | | | | | | | | | | | | |
| 48: | 103438 | 135458 | -32020 | -.31 | 143730 | -40292 | -.39 | 48: | 26337 | 39812 | -13475 | -.51 | 47910 | -21573 | -.82 | 48: | 26337 | 39812 | -13475 | -.51 | 47910 | -21573 | -.82 | | | | | | | | | | | | | | | | |
| 49: | 94553 | 115622 | -21069 | -.22 | 114377 | -19824 | -.21 | 49: | 15391 | 43699 | -28308 | -1.84 | 38126 | -22735 | -1.48 | 49: | 15391 | 43699 | -28308 | -1.84 | 38126 | -22735 | -1.48 | | | | | | | | | | | | | | | | |
| 50: | 74807 | 123407 | -48600 | -.65 | 116787 | -41980 | -.56 | 50: | 12852 | 41533 | -28681 | -2.23 | 38929 | -26077 | -2.03 | 50: | 12852 | 41533 | -28681 | -2.23 | 38929 | -26077 | -2.03 | | | | | | | | | | | | | | | | |
| 51: | 54580 | 104799 | -50219 | -.92 | 101337 | -46757 | -.86 | 51: | 13285 | 35621 | -22336 | -1.68 | 33779 | -20494 | -1.54 | 51: | 13285 | 35621 | -22336 | -1.68 | 33779 | -20494 | -1.54 | | | | | | | | | | | | | | | | |
| 52: | 41528 | 92141 | -50613 | -.12 | 86782 | -45254 | -.09 | 52: | 17063 | 32806 | -15743 | -.92 | 28927 | -11864 | -.70 | 52: | 17063 | 32806 | -15743 | -.92 | 28927 | -11864 | -.70 | | | | | | | | | | | | | | | | |
| 53: | 43200 | 64633 | -21433 | -.40 | 60490 | -17290 | -.40 | 53: | 19441 | 25681 | -6240 | -.32 | 20163 | -722 | -.04 | 53: | 19441 | 25681 | -6240 | -.32 | 20163 | -722 | -.04 | | | | | | | | | | | | | | | | |
| 54: | 49789 | 47623 | 2166 | .04 | 46568 | 3221 | .06 | 54: | 24347 | 16547 | 7800 | .32 | 15523 | 8824 | .36 | 54: | 24347 | 16547 | 7800 | .32 | 15523 | 8824 | .36 | | | | | | | | | | | | | | | | |
| 55: | 60851 | 39149 | 21702 | .36 | 40691 | 20160 | .33 | 55: | 28947 | 12718 | 16229 | .56 | 13564 | 15383 | .53 | 55: | 28947 | 12718 | 16229 | .56 | 13564 | 15383 | .53 | | | | | | | | | | | | | | | | |
| 56: | 72735 | 44920 | 27815 | .38 | 47195 | 25540 | .35 | 56: | 34700 | 13732 | 20968 | .60 | 15732 | 18968 | .55 | 56: | 34700 | 13732 | 20968 | .60 | 15732 | 18968 | .55 | | | | | | | | | | | | | | | | |
| 57: | 87994 | 51969 | 36025 | .41 | 54056 | 33938 | .39 | 57: | 27111 | 16078 | 11033 | .41 | 18019 | 9092 | .34 | 57: | 27111 | 16078 | 11033 | .41 | 18019 | 9092 | .34 | | | | | | | | | | | | | | | | |
| 58: | 90758 | 65072 | 25686 | .28 | 66946 | 23812 | .26 | 58: | 33712 | 20046 | 13666 | .41 | 22315 | 11397 | .34 | 58: | 33712 | 20046 | 13666 | .41 | 22315 | 11397 | .34 | | | | | | | | | | | | | | | | |
| 59: | 95523 | 78660 | 16863 | .18 | 79788 | 15735 | .16 | 59: | 26439 | 24489 | 1950 | .07 | 26596 | -157 | -.01 | 59: | 26439 | 24489 | 1950 | .07 | 26596 | -157 | -.01 | | | | | | | | | | | | | | | | |
| 60: | 87262 | 95919 | -8657 | -.10 | 96047 | -8785 | -.10 | 60: | 14335 | 30296 | -15961 | -1.11 | 32016 | -17681 | -1.23 | 60: | 14335 | 30296 | -15961 | -1.11 | 32016 | -17681 | -1.23 | | | | | | | | | | | | | | | | |
| 61: | 74486 | 86781 | -12253 | -.17 | 86045 | -11559 | -.16 | 61: | 18514 | 29485 | -10971 | -.59 | 28682 | -10168 | -.55 | 61: | 18514 | 29485 | -10971 | -.59 | 28682 | -10168 | -.55 | | | | | | | | | | | | | | | | |
| 62: | 59288 | 98567 | -39279 | -.66 | 98330 | -39042 | -.66 | 62: | 11782 | 32350 | -20568 | -1.75 | 32777 | -20995 | -1.78 | 62: | 11782 | 32350 | -20568 | -1.75 | 32777 | -20995 | -1.78 | | | | | | | | | | | | | | | | |
| 63: | 44631 | 84191 | -39560 | -.89 | 83289 | -38558 | -.87 | 63: | 16022 | 28670 | -12648 | -.79 | 27763 | -11741 | -.73 | 63: | 16022 | 28670 | -12648 | -.79 | 27763 | -11741 | -.73 | | | | | | | | | | | | | | | | |
| 64: | 46318 | 58391 | -12073 | -.26 | 58745 | -12427 | -.27 | 64: | 14033 | 22206 | -8173 | -.58 | 19582 | -5549 | -.40 | 64: | 14033 | 22206 | -8173 | -.58 | 19582 | -5549 | -.40 | | | | | | | | | | | | | | | | |
| 65: | 41837 | 55615 | -13778 | -.33 | 57415 | -15578 | -.37 | 65: | 16295 | 19174 | -2879 | -.18 | 19138 | -2843 | -.17 | 65: | 16295 | 19174 | -2879 | -.18 | 19138 | -2843 | -.17 | | | | | | | | | | | | | | | | |
| 66: | 46350 | 38924 | 7426 | .16 | 39989 | 6361 | .14 | 66: | 24838 | 13590 | 11248 | .45 | 13330 | 11508 | .46 | 66: | 24838 | 13590 | 11248 | .45 | 13330 | 11508 | .46 | | | | | | | | | | | | | | | | |
| 67: | 55166 | 45502 | 9664 | .18 | 47192 | 7374 | .14 | 67: | 27662 | 14561 | 13101 | .47 | 15731 | 11931 | .43 | 67: | 27662 | 14561 | 13101 | .47 | 15731 | 11931 | .43 | | | | | | | | | | | | | | | | |
| 68: | 68795 | 40816 | 27979 | .41 | 41968 | 26927 | .39 | 68: | 17652 | 12979 | 4673 | .26 | 13989 | 3663 | .21 | 68: | 17652 | 12979 | 4673 | .26 | 13989 | 3663 | .21 | | | | | | | | | | | | | | | | |
| 69: | 70152 | 46047 | 24105 | .34 | 47618 | 22534 | .32 | 69: | 9186 | 14541 | -5355 | -.58 | 15873 | -6687 | -.73 | 69: | 9186 | 14541 | -5355 | -.58 | 15873 | -6687 | -.73 | | | | | | | | | | | | | | | | |
| 70: | 54500 | 64316 | -9816 | -.18 | 64840 | -10340 | -.19 | 70: | 10498 | 19222 | -8724 | -.83 | 21613 | -11115 | -.83 | 70: | 10498 | 19222 | -8724 | -.83 | 21613 | -11115 | -.83 | | | | | | | | | | | | | | | | |
| 71: | 37336 | 76430 | -39094 | -1.05 | 75890 | -38554 | -1.03 | 71: | 12699 | 23661 | -10962 | -.86 | 25297 | -12598 | -.99 | 71: | 12699 | 23661 | -10962 | -.86 | 25297 | -12598 | -.99 | | | | | | | | | | | | | | | | |
| 72: | 32383 | 60901 | -28518 | -.88 | 61554 | -29171 | -.90 | 72: | 8768 | 21310 | -12542 | -1.43 | 20518 | -11750 | -1.34 | 72: | 8768 | 21310 | -12542 | -1.43 | 20518 | -11750 | -1.34 | | | | | | | | | | | | | | | | |
| 73: | 31965 | 38877 | -6912 | -.22 | 41029 | -9064 | -.28 | 73: | 10778 | 14878 | -4100 | -.38 | 13676 | -2898 | -.27 | 73: | 10778 | 14878 | -4100 | -.38 | 13676 | -2898 | -.27 | | | | | | | | | | | | | | | | |
| RESULTS | MAD | MERR | MAPE | | MAD | MERR | MAPE | | MAD | MERR | MAPE | | MAD | MERR | MAPE | | MAD | MERR | MAPE | | MAD | MERR | MAPE | | | | | | | | | | | | | | | | |
| | 24146 | -2040 | .36 | | 23100 | -2172 | .35 | | 12186 | -1579 | .62 | | 11344 | -1682 | .59 | | | | | | | | | | | | | | | | | | | | | | | | |

NO OF FIT PARAMETERS = 3
 LEAD TIME PARAMETERS :
 PROC CYCLE PARAMETERS :

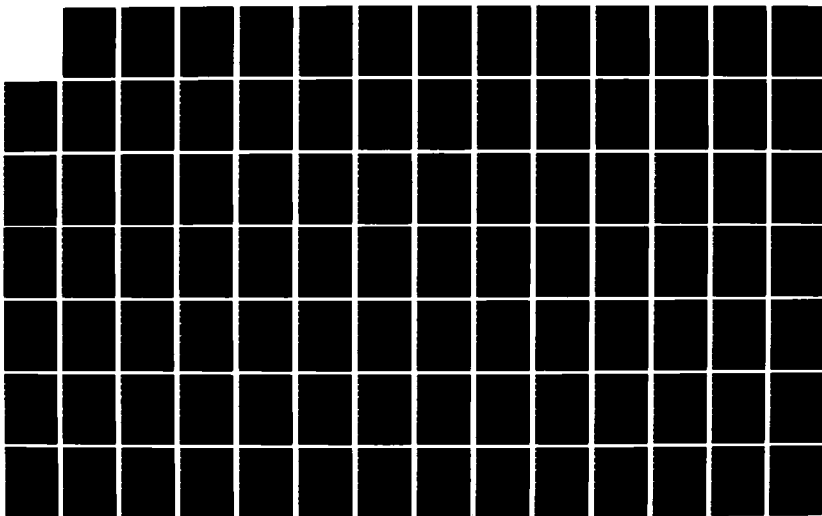
AD-A166 750

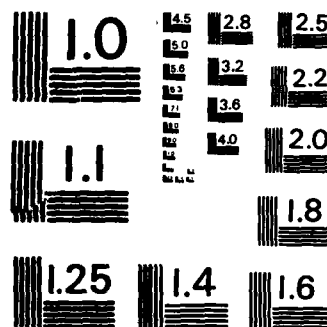
REPORT ON THE EVALUATION OF DEMAND FORECASTING
TECHNIQUES FOR THE SUBSISTENCE COMMODITY VOLUME 2(U)
DEFENSE LOGISTICS AGENCY ALEXANDRIA VA OPERATIONS
RESEARCH AN T J SHEEHAN ET AL OCT 85 F/G 15/5

4/5

UNCLASSIFIED

NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

| PERISHABLES | | | | | | | | | | MODEL = 20 | | | | | | | | | |
|--|--------|--------|--------|-------|--------|--------|-------|--------|-------|-----------------------------|--------|-------|-------|--------|-------|------|------|--|--|
| -- AR3 WITH CONSTANT | | | | | | | | | | | | | | | | | | | |
| NSN PCK DEP LT PC NOMENCLATURE | | | | | | | | | | ITEM # | | | | | | | | | |
| 8905001268743 1 LA 3 1 PORK, SPARERIBS, FROZEN | | | | | | | | | | 71 1396 | | | | | | | | | |
| LEAD TIME ESTIMATES | | | | | | | | | | PROCUREMENT CYCLE ESTIMATES | | | | | | | | | |
| MONTH: | ACT | IFCT | ERR | % ERR | DFACT | ERR | % ERR | MONTH: | ACT | IFCT | ERR | % ERR | DFACT | ERR | % ERR | | | | |
| 31: | 88510 | 87511 | 999 | .01 | 67535 | 20975 | .24 | 31: | 35112 | 29394 | 5718 | .16 | 22512 | 12600 | .36 | | | | |
| 32: | 97324 | 89817 | 7507 | .08 | 70886 | 26638 | .27 | 32: | 37142 | 32960 | 4182 | .11 | 32562 | 13580 | .37 | | | | |
| 33: | 107664 | 86251 | 21413 | .20 | 78782 | 28882 | .27 | 33: | 40438 | 29725 | 10713 | .26 | 26261 | 14177 | .35 | | | | |
| 34: | 112692 | 90604 | 22088 | .20 | 97370 | 15322 | .14 | 34: | 33023 | 27449 | 5574 | .17 | 32457 | 566 | .02 | | | | |
| 35: | 110603 | 88560 | 22043 | .20 | 101330 | 9273 | .08 | 35: | 24956 | 27310 | -2354 | -.09 | 33777 | -8821 | -.35 | | | | |
| 36: | 98417 | 87113 | 11304 | .11 | 109845 | -11128 | -.11 | 36: | 38757 | 24795 | 14002 | .36 | 36515 | 2242 | .06 | | | | |
| 37: | 96736 | 90143 | 6593 | .07 | 117003 | -20267 | -.21 | 37: | 22438 | 24152 | -1714 | -.08 | 39001 | -16563 | -.74 | | | | |
| 38: | 86151 | 84876 | 1275 | .01 | 104836 | -18685 | -.22 | 38: | 15526 | 25241 | -9715 | -.63 | 34945 | -19419 | -1.25 | | | | |
| 39: | 76721 | 79758 | -3037 | -.04 | 88842 | -9921 | -.13 | 39: | 30175 | 26315 | 3860 | .13 | 28881 | 1294 | .04 | | | | |
| 40: | 68139 | 95274 | -27135 | -.40 | 106503 | -38364 | -.56 | 40: | 20308 | 27274 | -6966 | -.34 | 35501 | -15193 | -.75 | | | | |
| 41: | 66009 | 83256 | -17247 | -.26 | 76733 | -10724 | -.16 | 41: | 23177 | 30995 | -7818 | -.34 | 25578 | -2401 | -.10 | | | | |
| 42: | 73660 | 75108 | -1448 | -.02 | 61649 | 12011 | .18 | 42: | 26179 | 29501 | -3322 | -.13 | 20550 | 5629 | .22 | | | | |
| 43: | 69664 | 92330 | -22666 | -.33 | 79332 | -9668 | -.14 | 43: | 30061 | 32239 | -2178 | -.07 | 26444 | 3617 | .12 | | | | |
| 44: | 79417 | 86753 | -7336 | -.09 | 63467 | 15950 | .20 | 44: | 57805 | 34658 | 23147 | .40 | 21156 | 36649 | .63 | | | | |
| 45: | 114045 | 84070 | 29975 | .28 | 71895 | 42450 | .37 | 45: | 35222 | 30805 | 4417 | .13 | 23865 | 11357 | .32 | | | | |
| 46: | 123088 | 88570 | 34518 | .28 | 74100 | 48988 | .40 | 46: | 35137 | 32211 | 2926 | .08 | 24700 | 10437 | .30 | | | | |
| 47: | 128164 | 89428 | 38736 | .30 | 84800 | 43364 | .34 | 47: | 33079 | 30345 | 2734 | .08 | 28267 | 4812 | .15 | | | | |
| 48: | 103438 | 106410 | -2972 | -.03 | 143730 | -40292 | -.39 | 48: | 26337 | 22587 | 3750 | .14 | 47910 | -21573 | -.82 | | | | |
| 49: | 94553 | 85086 | 9467 | .10 | 114377 | -19824 | -.21 | 49: | 15391 | 26556 | -11165 | -.73 | 38126 | -22735 | -1.48 | | | | |
| 50: | 74807 | 77184 | -2377 | -.03 | 116787 | -41980 | -.56 | 50: | 12852 | 15538 | -2686 | -.21 | 38929 | -26077 | -2.03 | | | | |
| 51: | 54580 | 86792 | -32212 | -.59 | 101337 | -46757 | -.86 | 51: | 13285 | 25571 | -12286 | -.92 | 33779 | -20494 | -1.54 | | | | |
| 52: | 41528 | 83573 | -42045 | -1.01 | 86782 | -45254 | -1.09 | 52: | 17063 | 27459 | -10396 | -.61 | 28927 | -11864 | -.70 | | | | |
| 53: | 43200 | 78848 | -35648 | -.83 | 60490 | -17290 | -.40 | 53: | 19441 | 31240 | -11799 | -.61 | 20163 | -722 | -.04 | | | | |
| 54: | 49789 | 82538 | -32749 | -.66 | 46568 | 3221 | .06 | 54: | 24347 | 36079 | -11732 | -.48 | 15523 | 8824 | .36 | | | | |
| 55: | 60851 | 89220 | -28369 | -.47 | 40691 | 20160 | .33 | 55: | 28947 | 41164 | -12217 | -.42 | 13564 | 15383 | .53 | | | | |
| 56: | 72735 | 91589 | -18854 | -.26 | 47195 | 25540 | .35 | 56: | 34700 | 41302 | -6602 | -.19 | 15732 | 18968 | .55 | | | | |
| 57: | 87994 | 90049 | -2055 | -.02 | 54056 | 33938 | .39 | 57: | 27111 | 39516 | -12405 | -.46 | 18019 | 9092 | .34 | | | | |
| 58: | 90758 | 89467 | 1291 | .01 | 66946 | 23812 | .26 | 58: | 33712 | 35859 | -2157 | -.06 | 22315 | 11397 | .34 | | | | |
| 59: | 95523 | 91118 | 4405 | .05 | 79788 | 15735 | .16 | 59: | 26439 | 32869 | -6430 | -.24 | 26596 | -157 | -.01 | | | | |
| 60: | 87262 | 93444 | -6182 | -.07 | 96047 | -8785 | -.10 | 60: | 14335 | 29413 | -15078 | -1.05 | 32016 | -17681 | -1.23 | | | | |
| 61: | 74486 | 83138 | -8652 | -.12 | 86045 | -11559 | -.16 | 61: | 18514 | 27538 | -9024 | -.49 | 28682 | -10168 | -.55 | | | | |
| 62: | 59288 | 86310 | -27022 | -.46 | 98330 | -39042 | -.66 | 62: | 11782 | 25283 | -13501 | -1.15 | 32777 | -20995 | -1.78 | | | | |
| 63: | 44631 | 83659 | -39028 | -.87 | 83289 | -38658 | -.87 | 63: | 16032 | 28326 | -12304 | -.77 | 27763 | -11741 | -.73 | | | | |
| 64: | 46318 | 68305 | -21987 | -.47 | 58745 | -12427 | -.27 | 64: | 14033 | 27925 | -13892 | -.99 | 19582 | -5549 | -.40 | | | | |
| 65: | 41837 | 76961 | -35124 | -.84 | 57415 | -15578 | -.37 | 65: | 16295 | 31181 | -14886 | -.91 | 19138 | -2843 | -.17 | | | | |
| 66: | 46350 | 77695 | -31345 | -.68 | 39989 | 6361 | .14 | 66: | 24838 | 36196 | -11358 | -.46 | 13330 | 11508 | .46 | | | | |
| 67: | 55166 | 79058 | -23892 | -.43 | 47192 | 7974 | .14 | 67: | 27662 | 34467 | -6805 | -.25 | 15731 | 11931 | .43 | | | | |
| 68: | 68795 | 79388 | -10593 | -.15 | 41968 | 26827 | .39 | 68: | 17652 | 36366 | -18714 | -1.06 | 13989 | 3663 | .21 | | | | |
| 69: | 70152 | 76675 | -6523 | -.09 | 47618 | 22534 | .32 | 69: | 9186 | 33893 | -24707 | -2.69 | 15873 | -6687 | -.73 | | | | |
| 70: | 54500 | 86565 | -32065 | -.59 | 64840 | -10340 | -.19 | 70: | 10498 | 33423 | -22925 | -2.18 | 21613 | -11115 | -1.06 | | | | |
| 71: | 37336 | 88377 | -51041 | -1.37 | 75890 | -38554 | -1.03 | 71: | 12699 | 31596 | -18997 | -1.49 | 25297 | -12598 | -.99 | | | | |
| 72: | 32383 | 71386 | -39003 | -1.20 | 61554 | -29171 | -.90 | 72: | 8768 | 27747 | -18979 | -2.16 | 20518 | -11750 | -1.34 | | | | |
| 73: | 31965 | 58972 | -27007 | -.84 | 41029 | -9064 | -.28 | 73: | 10778 | 26430 | -15552 | -1.45 | 13676 | -2898 | -.27 | | | | |
| RESULTS | | | | | | | | | | | | | | | | | | | |
| MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE | MAD | MERR | MAPE | | |
| 19703 | -9860 | .35 | 23100 | -2172 | .35 | 10039 | -6271 | .60 | 11344 | -1682 | .59 | | | | | | | | |

NO OF FIT PARAMETERS = 4
 LEAD TIME PARAMETERS :
 - .54
 - .32
 PROC CYCLC PARAMETERS :
 1.15 61895.67
 .01 35790.75

| PERISHABLES | | | | | | | | | | AR3 LAG SEASONAL WITH CONSTANT | | | | | | | | | | MODEL = | | | | | | | | | | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| NSN | | | | | | | | | | PC NOMENCLATURE | | | | | | | | | | ITEM # | | | | | | | | | | 1396 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8905001268743 | | | | | | | | | | 1 PORK, SPARERIBS, FROZEN | | | | | | | | | | 71 | | | | | | | | | | 1396 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MONTH: | | | | | | | | | | LEAD TIME ESTIMATES | | | | | | | | | | PROCUREMENT CYCLE ESTIMATES | | | | | | | | | | ACT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31: | | | | | | | | | | ERR | | | | | | | | | | IFCT | | | | | | | | | | ERR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32: | | | | | | | | | | 21231 | | | | | | | | | | 24 | | | | | | | | | | 31: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33: | | | | | | | | | | 67279 | | | | | | | | | | 24 | | | | | | | | | | 31: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34: | | | | | | | | | | 88510 | | | | | | | | | | 24 | | | | | | | | | | 31: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35: | | | | | | | | | | 21231 | | | | | | | | | | 24 | | | | | | | | | | 31: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36: | | | | | | | | | | 67279 | | | | | | | | | | 24 | | | | | | | | | | 31: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37: | | | | | | | | | | 88510 | | | | | | | | | | 24 | | | | | | | | | | 31: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38: | | | | | | | | | | 21231 | | | | | | | | | | 24 | | | | | | | | | | 31: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39: | | | | | | | | | | 67279 | | | | | | | | | | 24 | | | | | | | | | | 31: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40: | | | | | | | | | | 88510 | | | | | | | | | | 24 | | | | | | | | | | 31: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41: | | | | | | | | | | 21231 | | | | | | | | | | 24 | | | | | | | | | | 31: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42: | | | | | | | | | | 67279 | | | | | | | | | | 24 | | | | | | | | | | 31: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43: | | | | | | | | | | 88510 | | | | | | | | | | 24 | | | | | | | | | | 31: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44: | | | | | | | | | | 21231 | | | | | | | | | | 24 | | | | | | | | | | 31: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45: | | | | | | | | | | 67279 | | | | | | | | | | 24 | | | | | | | | | | 31: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46: | | | | | | | | | | 88510 | | | | | | | | | | 24 | | | | | | | | | | 31: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47: | | | | | | | | | | 21231 | | | | | | | | | | 24 | | | | | | | | | | 31: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48: | | | | | | | | | | 67279 | | | | | | | | | | 24 | | | | | | | | | | 31: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49: | | | | | | | | | | 88510 | | | | | | | | | | 24 | | | | | | | | | | 31: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50: | | | | | | | | | | 21231 | | | | | | | | | | 24 | | | | | | | | | | 31: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51: | | | | | | | | | | 67279 | | | | | | | | | | 24 | | | | | | | | | | 31: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52: | | | | | | | | | | 88510 | | | | | | | | | | 24 | | | | | | | | | | 31: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53: | | | | | | | | | | 21231 | | | | | | | | | | 24 | | | | | | | | | | 31: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54: | | | | | | | | | | 67279 | | | | | | | | | | 24 | | | | | | | | | | 31: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55: | | | | | | | | | | 88510 | | | | | | | | | | 24 | | | | | | | | | | 31: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56: | | | | | | | | | | 21231 | | | | | | | | | | 24 | | | | | | | | | | 31: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 72: | | | | | | | | | | 67279 | | | | | | | | | | 24 | | | | | | | | | | 31: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73: | | | | | | | | | | 88510 | | | | | | | | | | 24 | | | | | | | | | | 31: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RESULTS | | | | | | | | | | MAD | | | | | | | | | | MAPE | | | | | | | | | | MERR | | | | | | | | | | MAD | | | | | | | | | | MAPE | | | | | | | | | | MERR | | | | | | | | | | MAPE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20159 | | | | | | | | | | -3004 | | | | | | | | | | .32 | | | | | | | | | | 23100 | | | | | | | | | | -2172 | | | | | | | | | | .35 | | | | | | | | | | 9333 | | | | | | | | | | -4291 | | | | | | | | | | .53 | | | | | | | | | | 11344 | | | | | | | | | | -1682 | | | | | | | | | | .59 | | | | | | | | | |

PERISHABLES -- INTEGRATED AR3 WITH CONSTANT

NSN 8905001288743 1 LA 3 1 PC NOMENCLATURE NOP ITEM # MODEL # 23

8905001288743 1 LA 3 1 PC NOMENCLATURE 71 1396

MONTH: ACT IFCT ERR % ERR DFCY ERR % ERR

31: 88510 69974 18536 .21 67535 20975 .24 31: 35112 22046 13066 .37 22512 12600 .36

32: 97324 63718 33605 .38 70886 28638 .27 32: 37142 19336 17808 .48 23562 13580 .37

33: 107664 71911 35783 .33 78782 28882 .27 33: 40438 20981 19457 .48 26261 14177 .35

34: 112692 91561 21131 .19 97370 18322 .14 34: 33023 26312 6711 .20 32457 566 .02

35: 110603 96077 14526 .13 101330 9273 .08 35: 24956 28124 -3168 .13 33777 -8821 .35

36: 98417 108296 -9879 .10 109545 -11128 .11 36: 38757 31667 7090 .18 36515 -2242 .06

37: 96736 117753 -21017 .22 117003 -20267 .21 37: 22438 37570 -15132 .67 39001 -16563 .74

38: 86151 108821 -20670 .24 104836 -18685 .22 38: 15526 35691 -20165 .13 34945 -19419 .25

39: 76721 92116 -18395 .20 86642 -9921 .13 39: 30175 32954 -2779 .09 28881 1294 .04

40: 88139 110180 -42041 .62 106503 -38364 .56 40: 20308 36479 -16171 .80 35501 -15193 .75

41: 66009 76142 -10133 .15 76733 -10724 .16 41: 23177 27023 -3846 .17 25578 -2401 .10

42: 73660 64578 9082 .12 61648 12011 .16 42: 26179 23904 2275 .09 20550 5629 .22

43: 69664 78040 -8378 .12 79332 -9668 .14 43: 30061 28575 1486 .05 26444 3617 .12

44: 79417 60612 18805 .24 63467 15950 .20 44: 57805 19089 38716 .67 21156 36649 .63

45: 114045 72018 42027 .37 71595 42450 .37 45: 35222 23026 13196 .37 23865 11357 .30

46: 123088 71133 51955 .42 74100 49888 .40 46: 35137 23022 12115 .34 24700 10437 .32

47: 128164 82054 46110 .36 84800 43364 .34 47: 33079 24156 8923 .27 28267 4812 .15

48: 103438 137747 -34309 .33 143730 -40292 .39 48: 26337 35519 -9182 .35 47910 -21573 .82

49: 94553 113773 -18820 .20 114377 -19824 .21 49: 15391 38816 -23425 .52 38126 -22735 .148

50: 74807 125646 -50839 .68 116787 -41980 .56 50: 12852 37781 -24929 .94 38929 -26077 .203

51: 54580 105795 -51215 .94 101337 -46757 .86 51: 13285 40020 -26735 .92 33779 -20494 .154

52: 41528 91931 -50403 .21 86782 -45254 .109 52: 17063 32689 -15626 .92 28927 -11864 .70

53: 43200 67981 -24781 .57 60490 -17290 .40 53: 19441 27489 -8048 .41 20163 -722 .04

54: 49789 47658 2131 .04 46568 3221 .06 54: 24347 22581 1766 .07 15523 8824 .36

55: 60851 38429 22422 .37 40691 20160 .33 55: 28947 15386 13561 .47 13564 15383 .53

56: 72735 44332 28403 .39 47195 25540 .35 56: 34700 13468 21232 .61 15732 18968 .55

57: 87994 51435 36559 .42 54056 33938 .39 57: 27111 14613 12498 .46 18019 9092 .34

58: 90758 64377 26381 .29 66946 23812 .26 58: 33712 17719 15993 .47 22315 11397 .34

59: 95523 77667 17656 .18 79788 15735 .16 59: 26439 21902 4537 .17 26596 -157 .01

60: 87262 95303 -8041 .09 96047 -8785 .10 60: 14335 26888 -12553 .88 32016 -17681 .123

61: 74486 86155 -11669 .16 86045 -11559 .16 61: 18514 26822 -8308 .45 28682 -10168 .55

62: 59288 98883 -39395 .66 98330 -39042 .66 62: 11782 30859 -19077 .62 32777 -20995 .78

63: 44631 83243 -38612 .87 83289 -38658 .87 63: 16022 29490 -13468 .84 27763 -11741 .73

64: 46318 57987 -11669 .25 58745 -12427 .27 64: 14033 21179 -7146 .51 19582 -5549 .40

65: 41837 55909 -14072 .34 57415 -15578 .37 65: 16295 22526 -6231 .38 19138 -2843 .17

66: 46350 37778 8572 .18 39989 6361 .14 66: 24838 16785 8053 .32 13330 11508 .46

67: 55166 45443 9723 .18 47192 7974 .14 67: 27662 13554 14108 .51 15731 11931 .43

68: 68795 39834 28961 .42 41968 28827 .39 68: 17652 13983 3669 .21 13989 3663 .21

69: 70152 45908 24244 .35 47618 22534 .32 69: 9186 12859 -3673 .40 15873 -6687 .73

70: 54500 64002 -9502 .17 64840 -10340 .19 70: 10498 18486 -7988 .76 21613 -11115 .106

71: 37336 75914 -38578 .103 75890 -38554 .103 71: 12699 20918 -8219 .65 25297 -12598 .99

72: 32383 60569 -28186 .87 61554 -29171 .90 72: 8768 17961 -9193 .105 20518 -11750 .134

73: 31965 38584 -6619 .21 41029 -9064 .28 73: 10778 15282 -4504 .42 13676 -2898 .27

RESULTS MAD MERR MAPE MAD MERR MAPE MAD MERR MAPE

24670 -1573 .37 23100 -2172 .35 11763 -775 .58 11344 -1682 .59

NO OF FIT PARAMETERS = 4

LEAD TIME PARAMETERS :

PROC CYCLE PARAMETERS :

.03 .61 1.06 -955.80

-.32 -.38 -.54 -1306.73

PERISHABLES -- INTEGRATED AR3 HARMONIC WITH CONSTANT NSN 8905001268743 1 LA 3 1 PORK, SPARERIBS, FROZEN

MODEL = 24

ITEM # 1396

MONTH: 31: 88510 60820 27690 .31 67538 20978 .24 31: 35112 22436 12676 .36 22512 12600 .36

32: 97324 65141 32183 .33 70886 26638 .27 32: 37142 24972 12170 .33 23562 13580 .37

33: 107664 80787 28907 .26 78782 28882 .27 33: 40438 29855 10583 .28 26261 14177 .35

34: 112692 109375 3317 .03 97370 15322 .14 34: 33023 34985 -1962 -.08 32457 566 .02

35: 110803 117621 -7018 -.08 101330 9273 .08 35: 24956 35705 -10749 -.43 33777 -8821 -.35

36: 98417 119898 -21481 -.22 109545 -11128 -.11 36: 38757 34509 4248 .11 36515 2242 .06

37: 98736 116167 -19431 -.20 117003 -20267 -.21 37: 22438 32489 -10051 -.45 39001 -16563 -.74

38: 86151 97841 -11690 -.14 104836 -18685 -.22 38: 15626 27845 -12319 -.79 34945 -19419 -1.25

39: 78721 78736 -2015 -.03 86642 -9921 -.13 39: 30175 23764 6411 .21 28881 1294 .04

40: 68139 78893 -10784 -.16 108503 -38364 -.88 40: 20308 24655 -4357 -.21 35501 -15193 -.75

41: 66009 61527 4482 .07 76733 -10724 -.16 41: 23177 22937 240 .01 25578 -2401 -.10

42: 73660 62341 11319 .15 61649 12011 .16 42: 26179 26474 -295 -.01 20550 5629 .22

43: 69664 80931 -11267 -.16 79332 -9688 -.20 43: 30061 31085 -1024 -.03 26444 3617 .12

44: 79417 78322 1095 .01 63467 15950 .37 44: 57805 29747 28058 .95 21156 36649 .63

45: 114045 93574 20471 .18 71595 42480 .40 45: 35222 34267 955 .03 23865 11357 .32

46: 123068 100108 22980 .19 74100 48988 .34 46: 35137 32840 2297 .07 24700 10437 .30

47: 128164 98702 29462 .23 64800 43364 .39 47: 33079 29480 3599 .11 28267 4812 .15

48: 103438 120526 -17088 -.17 143730 -40292 -.39 48: 26337 31091 -4754 -.18 47910 -21573 -.82

49: 94553 109108 -14555 -.16 114377 -19824 -.21 49: 15391 34159 -18768 -1.22 38126 -22735 -1.48

50: 74807 110972 -36165 -.48 116787 -41980 -.56 50: 12852 26282 -15430 -1.20 38929 -25077 -2.03

51: 54580 92835 -38255 -.70 101337 -47857 -.86 51: 13285 26559 -13304 -1.00 33779 -20494 -1.54

52: 41528 67643 -26115 -.63 86782 -45264 -1.09 52: 17063 22644 -5581 -.33 28927 -11864 -.70

53: 43200 56982 -13782 -.32 60490 -17290 -.40 53: 19441 22968 -3527 -.18 20163 -722 -.04

54: 45789 49586 201 .00 46568 3221 .06 54: 24347 23465 882 .04 15523 8824 .36

55: 60851 50978 9873 .16 40691 20160 .33 55: 28947 24293 4684 .16 13564 15383 .53

56: 72735 62842 9893 .14 47195 25540 .35 56: 34700 26894 7806 .22 15732 18968 .55

57: 87994 77392 10602 .12 54056 33938 .39 57: 27111 29032 -1981 -.07 18019 9092 .34

58: 90758 89537 1221 .01 66946 23812 .26 58: 33712 28987 4725 .14 22315 11397 .34

59: 95523 94510 1013 .01 79788 15735 .16 59: 26439 26923 -484 -.02 26596 -157 -.01

60: 87262 94697 -7435 -.08 96047 -8785 -.10 60: 14335 23944 -9609 -.67 32016 -17681 -1.23

61: 74486 80471 -5985 -.08 86045 -11559 -.16 61: 18514 18972 -458 -.02 28682 -10168 -.55

62: 59288 72522 -12324 -.22 98330 -39042 -.68 62: 11782 16077 -4295 -.36 32777 -20995 -1.78

63: 44631 56111 -11480 -.26 83289 -38658 -.87 63: 16022 15074 948 .06 27763 -11741 -.73

64: 46318 40058 6260 .14 58745 -12427 -.27 64: 14033 13127 906 .00 19138 -2843 -.17

65: 41837 39253 2584 .06 57415 -15578 -.37 65: 16295 16288 7 7 5291 .21 13330 11508 .46

66: 46350 36485 9865 .21 39989 6361 .14 66: 24838 19547 3870 .14 15731 11931 .43

67: 55166 51842 3324 .06 47192 7974 .39 67: 27662 23752 40791 -.61 13989 3663 .21

68: 68795 64942 3853 .06 41968 26827 .39 68: 17652 28443 -10791 -2.09 15873 -6687 -.73

69: 70152 76351 -6199 -.09 47618 22534 .32 69: 9186 28376 -19190 -1.67 21613 -11115 -1.06

70: 54500 87158 -32658 -.60 64840 -10340 -1.19 70: 10498 28087 -17569 -.98 25297 -12598 -.99

71: 37336 89077 -51741 -1.39 75890 -38554 -1.03 71: 12699 25157 -9405 -1.07 20518 -11750 -1.34

72: 32383 75275 -42892 -1.32 61854 -29171 -.90 72: 8768 18173 -9405 -1.07 20518 -11750 -1.34

73: 31965 48516 -18551 -.82 41029 -9064 -.28 73: 10778 8268 2510 .23 13676 -2898 -.27

RESULTS MAD MERR MAPE MAD MERR MAPE MAD MERR MAPE MAD MERR MAPE

15265 -4167 .25 23100 -2172 .35 7005 -1756 .39 11344 -1682 .59

NO OF FIT PARAMETERS = 6

LEAD TIME PARAMETERS :

PROC CYCLE PARAMETERS :

- .45 31764.45 -9989.59 -1677.68

- .21 - .76 13867.94 3121.35 -1332.57

Model Test Set #2

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|-------------------------|----------------|---|
| 1 | Global Mean | GLOB MEAN | $\hat{Y}_t = \frac{LT}{t} \sum_{i=1}^t X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{t} \sum_{i=1}^t X_{t-i+1}$ |
| 2 | 6 Month Moving Average | 6-MO AVG | $\hat{Y}_t = \frac{LT}{6} \sum_{i=1}^6 X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{6} \sum_{i=1}^6 X_{t-i+1}$ |
| 3 | 12 Month Moving Average | 12-MO AVG | $\hat{Y}_t = \frac{LT}{12} \sum_{i=1}^{12} X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{12} \sum_{i=1}^{12} X_{t-i+1}$ |
| 4 | 18 Month Moving Average | 18-MO AVG | $\hat{Y}_t = \frac{LT}{18} \sum_{i=1}^{18} X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{18} \sum_{i=1}^{18} X_{t-i+1}$ |

Model Test Set #2 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|---------------------------------|
| 5 | Last Lead Time or Procurement Cycle Demand | Last LT/PC | $\hat{Y}_t = D_{t,LT}$ |
| | | | $\hat{Z}_t = D_{t,PC}$ |
| 6 | Lead Time or Procurement Cycle Demand 1 Year Ago | Last Year | $\hat{Y}_t = D_{t-12+LT,LT}$ |
| | | | $\hat{Z}_t = D_{t-12+LT+PC,PC}$ |

Model Test Set #2 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|-------------------|----------------|---|
| 7 | DLA Methods | DLA | <p><u>Perishable Items:</u></p> $\hat{Y}_t = \frac{LT}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ $\hat{Z}_t = \frac{PC}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ <p><u>Semiperishable Items:</u></p> $\hat{Y}_t = LT * \left[2 S_t - S''_t \right] + \frac{\alpha}{1-\alpha} (S_t - S''_t)$ $\hat{Z}_t = PC * \left[2 S_t - S''_t \right] + \frac{\alpha}{1-\alpha} (S_t - S''_t)$ |

where S_t is the single exponential smoothed average of monthly demand at time t and S''_t is the double exponential smoothed average of monthly demand at time t . The smoothing parameter α is .10, .15, and .20. The forecast is chosen using the smoothing parameter which results in the least mean absolute deviation over the past data. Note that $2S_t - S''_t$ is the expected value of the demand series at time t and not the true double exponential smoothed forecast one period ahead. See Gardner (1984).

Model Test Set #2 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|------------------------------|---|
| 8,14,20 | Autoregressive without Constant | AR1, AR2, AR3 | $\hat{Y}_t = \sum_{i=1}^{\phi} a_i D_{t-\phi+i,1}$ $\hat{Z}_t = \sum_{i=1}^{\phi} b_i D_{t-\phi+i,1}$ |
| 9,15,21 | Autoregressive Harmonic without Constant | AR1 HARM, AR2 HARM, AR3 HARM | $\hat{Y}_t = \sum_{i=1}^{\phi} a_i D_{t-\phi+i,1} + A \sin \left(\frac{\pi}{6} t + \theta \right)$ $= \sum_{i=1}^{\phi} a_i D_{t-\phi+i,1} + a_{\phi+1} \sin \frac{\pi}{6} t + a_{\phi+2} \cos \frac{\pi}{6} t$ $\hat{Z}_t = \sum_{i=1}^{\phi} b_i D_{t-\phi+i,1} + b_{\phi+1} \sin \frac{\pi}{6} t + b_{\phi+2} \cos \frac{\pi}{6} t$ |

Model Test Set #2 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|---------------------------------|--|
| 10,16,22 | Autoregressive Lag
Seasonal without
Constant | AR1 LAG,
AR2 LAG,
AR3 LAG | $\hat{Y}_t = \sum_{i=1}^{\phi} a_i D_{t-\phi+i,1} + a_{\phi+1} * D_{t-12+LT,LT}$ |
| | | | $\hat{Z}_t = \sum_{i=1}^{\phi} b_i D_{t-\phi+i,1} + b_{\phi+1} * D_{t-12+PC,PC}$ |
| 11,17,23 | Integrated Autoregressive
without Constant | IAR1, IAR2,
IAR3 | $\hat{Y}_t = \sum_{i=1}^{\phi} a_i (D_{t-\phi+i,1} - D_{t-\phi+i-1,1}) + D_{t,LT}$ |
| | | | $\hat{Z}_t = \sum_{i=1}^{\phi} b_i (D_{t-\phi+i,1} - D_{t-\phi+i-1,1}) + D_{t,PC}$ |

Model Test Set #2 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|---|---------------------------------------|---|
| 12, 18, 24 | Integrated Autoregressive
Harmonic without Constant | IAR1 HARM,
IAR2 HARM,
IAR3 HARM | $\hat{Y}_t = \sum_{i=1}^{\phi} a_i (D_{t-\phi+i,1} - D_{t-\phi+i-1,1}) + a_{\phi+1} \sin \frac{\pi t}{6}$ $+ a_{\phi+2} \cos \frac{\pi t}{6} + D_{t,LT}$ $\hat{Z}_t = \sum_{i=1}^{\phi} b_i (D_{t-\phi+i,1} - D_{t-\phi+i-1,1}) + b_{\phi+1} \sin \frac{\pi t}{6}$ $+ b_{\phi+2} \cos \frac{\pi t}{6} + D_{t,PC}$ |
| 13, 19, 25 | Integrated Autoregressive
Lag Seasonal without
Constant | IAR1 LAG,
IAR2 LAG,
IAR3 LAG | $\hat{Y}_t = \sum_{i=1}^{\phi} a_i (D_{t-\phi+i,1} - D_{t-\phi+i-1,1}) + a_{\phi+1} (D_{t+LT-12,LT}$ $- D_{t-12,LT}) + D_{t,LT}$ $\hat{Z}_t = \sum_{i=1}^{\phi} b_i (D_{t-\phi+i,1} - D_{t-\phi+i-1,1}) + b_{\phi+1} (D_{t-12+LT+PC,PC}$ $- D_{t-12,PC}) + D_{t,PC}$ |

Model Test Set #3

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|-------------------------|----------------|---|
| 1 | Global Mean | GLOB MEAN | $\hat{Y}_t = \frac{LT}{t} \sum_{i=1}^t X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{t} \sum_{i=1}^t X_{t-i+1}$ |
| 2 | 6 Month Moving Average | 6-MO AVG | $\hat{Y}_t = \frac{LT}{6} \sum_{i=1}^6 X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{6} \sum_{i=1}^6 X_{t-i+1}$ |
| 3 | 12 Month Moving Average | 12-MO AVG | $\hat{Y}_t = \frac{LT}{12} \sum_{i=1}^{12} X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{12} \sum_{i=1}^{12} X_{t-i+1}$ |
| 4 | 18 Month Moving Average | 18-MO AVG | $\hat{Y}_t = \frac{LT}{18} \sum_{i=1}^{18} X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{18} \sum_{i=1}^{18} X_{t-i+1}$ |

Model Test Set #3 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|---------------------------------|
| 5 | Last Lead Time or Procurement Cycle Demand | Last LT/PC | $\hat{Y}_t = D_{t,LT}$ |
| | | | $\hat{Z}_t = D_{t,PC}$ |
| 6 | Lead Time or Procurement Cycle Demand 1 Year Ago | Last Year | $\hat{Y}_t = D_{t-12+LT,LT}$ |
| | | | $\hat{Z}_t = D_{t-12+LT+PC,PC}$ |

Model Test Set #3 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|-------------------|----------------|---|
| 7 | DLA Methods | DLA | <p><u>Perishable Items:</u></p> $\hat{Y}_t = \frac{LT}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ $\hat{Z}_t = \frac{PC}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ <p><u>Semiperishable Items:</u></p> $\hat{Y}_t = LT * \left[(2 S_t - S''_t) + \frac{\alpha}{1-\alpha} (S_t - S''_t) \right]$ $\hat{Z}_t = PC * \left[(2 S_t - S''_t) + \frac{\alpha}{1-\alpha} (S_t - S''_t) \right]$ |

where S_t is the single exponential smoothed average of monthly demand at time t and S''_t is the double exponential smoothed average of monthly demand at time t . The smoothing parameter α is .10, .15, and .20. The forecast is chosen using the smoothing parameter which results in the least mean absolute deviation over the past data. Note that $2S_t - S''_t$ is the expected value of the demand series at time t and not the true double exponential smoothed forecast one period ahead. See Gardner (1984).

Model Test Set #3 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|---|------------------------------------|--|
| 8,14,20 | Normal Autoregressive with Constant ($\phi = 1,2,3$) | NAR1C, NAR2C, NAR3C | $\hat{Y}_t = \sum_{i=1}^{\phi} a_i D_{t-\phi+i,LT} + a_{\phi+1}$ $\hat{Z}_t = \sum_{i=1}^{\phi} b_i D_{t-\phi+i,PC} + b_{\phi+1}$ |
| 9,15,21 | Normal Autoregressive Harmonic with Constant ($\phi = 1,2,3$) | NAR1C HARM, NAR2C HARM, NAR3C HARM | $\hat{Y}_t = \sum_{i=1}^{\phi} a_i D_{t-\phi+i,LT} + A \sin \left(\frac{\pi}{6} t + \theta \right) + a_{\phi+3}$ $= \sum_{i=1}^{\phi} a_i D_{t-\phi+i,PC} + a_{\phi+1} \sin \frac{\pi}{6} t + a_{\phi+2} \cos \frac{\pi}{6} t + a_{\phi+3}$ $\hat{Z}_t = \sum_{i=1}^{\phi} b_i D_{t-\phi+i,1} + b_{\phi+1} \sin \frac{\pi}{6} t + b_{\phi+2} \cos \frac{\pi}{6} t + b_{\phi+3}$ |

Model Test Set #3 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|---|---------------------------------------|---|
| 10,16,22 | Normal Autoregressive Lag
Seasonal with Constant
($\phi = 1,2,3$) | NAR1C LAG,
NAR2C LAG,
NAR3C LAG | $\hat{Y}_t = \sum_{i=1}^{\phi} a_i D_{t-\phi+i,LT} + a_{\phi+1} * D_{t-12+LT,LT} + a_{\phi+2}$ |
| | | | $\hat{Z}_t = \sum_{i=1}^{\phi} b_i D_{t-\phi+i,PC} + b_{\phi+1} * D_{t-12+LT+PC,PC} + b_{\phi+2}$ |
| 11,17,23 | Integrated Normal
Autoregressive with Constant
($\phi = 1,2,3$) | INAR1C, INAR2C,
INAR3C | $\hat{Y}_t = \sum_{i=1}^{\phi} a_i (D_{t-\phi+i,LT} - D_{t-\phi+i-1,LT}) + a_{\phi+1} + D_{t,LT}$ |
| | | | $\hat{Z}_t = \sum_{i=1}^{\phi} b_i (D_{t-\phi+i,PC} - D_{t-\phi+i-1,PC}) + b_{\phi+1} + D_{t,PC}$ |

Model Test Set #3 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|---|--|
| 12, 18, 24 | Integrated Normal Autoregressive with Constant ($\phi = 1, 2, 3$) | INAR1C HARM,
INAR2C HARM,
INAR3C HARM | $\hat{Y}_t = \sum_{i=1}^{\phi} a_i (D_{t-\phi+i,LT} - D_{t-\phi+i-1,LT}) + a_{\phi+1} \sin \frac{\pi t}{6}$ $+ a_{\phi+2} \cos \frac{\pi t}{6} + a_{\phi+3} + D_{t,LT}$
$\hat{Z}_t = \sum_{i=1}^{\phi} b_i (D_{t-\phi+i,PC} - D_{t-\phi+i-1,PC}) + b_{\phi+1} \sin \frac{\pi t}{6}$ $+ b_{\phi+2} \cos \frac{\pi t}{6} + b_{\phi+3} + D_{t,PC}$ |
| 13, 19, 25 | Integrated Normal Autoregressive Seasonal with Constant ($\phi = 1, 2, 3$) | INAR1C LAG,
INAR2C LAG,
INAR3C LAG | $\hat{Y}_t = \sum_{i=1}^{\phi} a_i (D_{t-\phi+i,LT} - D_{t-\phi+i-1,LT}) + a_{\phi+1} (D_{t-12+LT,LT}$ $- D_{t-12,LT}) + a_{\phi+2} + D_{t,LT}$
$\hat{Z}_t = \sum_{i=1}^{\phi} b_i (D_{t-\phi+i,PC} - D_{t-\phi+i-1,PC}) + b_{\phi+1} (D_{t-12+LT+PC,PC}$ $- D_{t-12,PC}) + b_{\phi+2} + D_{t,PC}$ |

Model Test Set #4

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|-------------------------|----------------|---|
| 1 | Global Mean | GLOB MEAN | $\hat{Y}_t = \frac{LT}{t} \sum_{i=1}^t X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{t} \sum_{i=1}^t X_{t-i+1}$ |
| 2 | 6 Month Moving Average | 6-MO AVG | $\hat{Y}_t = \frac{LT}{6} \sum_{i=1}^6 X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{6} \sum_{i=1}^6 X_{t-i+1}$ |
| 3 | 12 Month Moving Average | 12-MO AVG | $\hat{Y}_t = \frac{LT}{12} \sum_{i=1}^{12} X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{12} \sum_{i=1}^{12} X_{t-i+1}$ |
| 4 | 18 Month Moving Average | 18-MO AVG | $\hat{Y}_t = \frac{LT}{18} \sum_{i=1}^{18} X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{18} \sum_{i=1}^{18} X_{t-i+1}$ |

Model Test Set #4 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|---|----------------|----------------------------|
| 5 | Last Lead Time or
Procurement Cycle Demand | Last LT/PC | $Y_t = D_t, LT$ |
| | | | $Z_t = D_t, PC$ |
| 6 | Lead Time or Procurement
Cycle Demand 1 Year Ago | Last Year | $Y_t = D_{t-12+LT}, LT$ |
| | | | $Z_t = D_{t-12+LT+PC}, PC$ |

Model Test Set #4 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|-------------------|----------------|---|
| 7 | DLA Methods | DLA | <p><u>Perishable Items:</u></p> $\hat{Y}_t = \frac{LT}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ $\hat{Z}_t = \frac{PC}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ <p><u>Semiperishable Items:</u></p> $\hat{Y}_t = LT * \left[(2 S_t - S''_t) + \frac{\alpha}{1-\alpha} (S_t - S''_t) \right]$ $\hat{Z}_t = PC * \left[(2 S_t - S''_t) + \frac{\alpha}{1-\alpha} (S_t - S''_t) \right]$ |

where S_t is the single exponential smoothed average of monthly demand at time t and S''_t is the double exponential smoothed average of monthly demand at time t . The smoothing parameter α is .10, .15, and .20. The forecast is chosen using the smoothing parameter which results in the least mean absolute deviation over the past data. Note that $2S_t - S''_t$ is the expected value of the demand series at time t and not the true double exponential smoothed forecast one period ahead. See Gardner (1984).

Model Test Set #4 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|------------------------------------|--|
| 8,14,20 | Log Autoregressive with Constant ($\phi = 1,2,3$) | LAR1C, LAR2C, LAR3C | $\ln \hat{Y}_t = \sum_{i=1}^{\phi} a_i \ln (D_{t-\phi+1,1}) + a_{\phi+1}$ $\ln \hat{Z}_t = \sum_{i=1}^{\phi} b_i \ln (D_{t-\phi+1,1}) + b_{\phi+1}$ |
| 9,15,21 | Log Autoregressive Harmonic with Constant ($\phi = 1,2,3$) | LAR1C HARM, LAR2C HARM, LAR3C HARM | $\ln \hat{Y}_t = \sum_{i=1}^{\phi} a_i \ln (D_{t-\phi+1,1}) + A \sin \left(\frac{\pi}{6} t + \theta \right) + a_{\phi+3}$ $= \sum_{i=1}^{\phi} a_i \ln (D_{t-\phi+1,1}) + a_{\phi+1} \sin \frac{\pi}{6} t + a_{\phi+2} \cos \frac{\pi}{6} t + a_{\phi+3}$ $\ln \hat{Z}_t = \sum_{i=1}^{\phi} b_i \ln (D_{t-\phi+1,1}) + b_{\phi+1} \sin \frac{\pi}{6} t + b_{\phi+2} \cos \frac{\pi}{6} t + b_{\phi+3}$ |

Model Test Set #4 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|---|---------------------------------------|---|
| 10,16,22 | Log Autoregressive Lag Seasonal with Constant
($\phi = 1,2,3$) | LAR1C LAG,
LAR2C LAG,
LAR3C LAG | $\hat{\ln Y}_t = \sum_{i=1}^{\phi} a_i \ln (D_{t-\phi+i,1}) + a_{\phi+1} \ln D_{t-12+LT,LT} + a_{\phi+2}$ $\hat{\ln Z}_t = \sum_{i=1}^{\phi} b_i \ln (D_{t-\phi+i,1}) + b_{\phi+1} \ln D_{t-12+LT+PC,PC} + b_{\phi+2}$ |
| 11,17,23 | Integrated Log Autoregressive with Constant
($\phi = 1,2,3$) | ILAR1C, ILAR2C,
ILAR3C | $\hat{\ln Y}_t = \sum_{i=1}^{\phi} a_i (\ln D_{t-\phi+i,1} - \ln D_{t-\phi+i-1,1}) + a_{\phi+1} + \ln D_{t,LT}$ $\hat{\ln Z}_t = \sum_{i=1}^{\phi} b_i (\ln D_{t-\phi+i,1} - \ln D_{t-\phi+i-1,1}) + b_{\phi+1} + \ln D_{t,PC}$ |

Model Test Set #4 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|---|---|--|
| 12,18,24 | Integrated Log Autoregressive
Harmonic with Constant
($\phi = 1,2,3$) | ILAR1C HARM,
ILAR2C HARM,
ILAR3C HARM | $\ln \hat{Y}_t = \sum_{i=1}^{\phi} a_i (\ln D_{t-\phi+i,1} - \ln D_{t-\phi+i-1,1}) + a_{\phi+1} \sin \frac{\pi t}{6}$ $+ a_{\phi+2} \cos \frac{\pi t}{6} + a_{\phi+3} + \ln D_{t,LT}$
$\ln \hat{Z}_t = \sum_{i=1}^{\phi} b_i (\ln D_{t-\phi+i,1} - \ln D_{t-\phi+i-1,1}) + b_{\phi+1} \sin \frac{\pi t}{6}$ $+ b_{\phi+2} \cos \frac{\pi t}{6} + b_{\phi+3} + \ln D_{t,PC}$ |
| 13,19,25 | Integrated Log Autoregressive
Lag Seasonal with Constant
($\phi = 1,2,3$) | ILAR1C LAG,
ILAR2C LAG,
ILAR3C LAG | $\ln \hat{Y}_t = \sum_{i=1}^{\phi} a_i (\ln D_{t-\phi+i,1} - \ln D_{t-\phi+i-1,1}) + a_{\phi+1} (\ln D_{t-12+LT,LT}$ $- D_{t-12,LT}) + a_{\phi+2} + \ln D_{t,LT}$
$\ln \hat{Z}_t = \sum_{i=1}^{\phi} b_i (\ln D_{t-\phi+i,1} - \ln D_{t-\phi+i-1,1}) + b_{\phi+1} (\ln D_{t-12+LT+PC,PC}$ $- D_{t-12,PC}) + b_{\phi+2} + \ln D_{t,PC}$ |

Model Test Set #5

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|-------------------------|----------------|---|
| 1 | Global Mean | GLOB MEAN | $\hat{Y}_t = \frac{LT}{t} \sum_{i=1}^t X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{t} \sum_{i=1}^t X_{t-i+1}$ |
| 2 | 6 Month Moving Average | 6-MO AVG | $\hat{Y}_t = \frac{LT}{6} \sum_{i=1}^6 X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{6} \sum_{i=1}^6 X_{t-i+1}$ |
| 3 | 12 Month Moving Average | 12-MO AVG | $\hat{Y}_t = \frac{LT}{12} \sum_{i=1}^{12} X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{12} \sum_{i=1}^{12} X_{t-i+1}$ |
| 4 | 18 Month Moving Average | 18-MO AVG | $\hat{Y}_t = \frac{LT}{18} \sum_{i=1}^{18} X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{18} \sum_{i=1}^{18} X_{t-i+1}$ |

Model Test Set #5 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|---|----------------|---|
| 5 | Last Lead Time or
Procurement Cycle Demand | Last LT/PC | $Y_t = D_t, LT$

$Z_t = D_t, PC$ |
| 6 | Lead Time or Procurement
Cycle Demand 1 Year Ago | Last Year | $Y_t = D_{t-12+LT, LT}$

$Z_t = D_{t-12+LT+PC, PC}$ |

Model Test Set #5 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|-------------------|----------------|---|
| 7 | DLA Methods | DLA | <p><u>Perishable Items:</u></p> $\hat{Y}_t = \frac{LT}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ $\hat{Z}_t = \frac{PC}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ <p><u>Semiperishable Items:</u></p> $\hat{Y}_t = LT * \left[(2 S_t - S''_t) + \frac{\alpha}{1-\alpha} (S_t - S''_t) \right]$ $\hat{Z}_t = PC * \left[(2 S_t - S''_t) + \frac{\alpha}{1-\alpha} (S_t - S''_t) \right]$ |

where S_t is the single exponential smoothed average of monthly demand at time t and S''_t is the double exponential smoothed average of monthly demand at time t . The smoothing parameter α is .10, .15, and .20. The forecast is chosen using the smoothing parameter which results in the least mean absolute deviation over the past data. Note that $2S_t - S''_t$ is the expected value of the demand series at time t and not the true double exponential smoothed forecast one period ahead. See Gardner (1984).

Model Test Set #5 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|---------------------------------------|---|
| 8,14,20 | Log Autoregressive without Constant | LAR1, LAR2,
LAR3 | $\ln \hat{Y}_t = \sum_{i=1}^{\phi} a_i \ln D_{t-\phi+i,1}$ $\ln \hat{Z}_t = \sum_{i=1}^{\phi} b_i \ln D_{t-\phi+i,1}$ |
| 9,15,21 | Log Autoregressive Harmonic without Constant | LAR1 HARM,
LAR2 HARM,
LAR3 HARM | $\ln \hat{Y}_t = \sum_{i=1}^{\phi} a_i \ln D_{t-\phi+i,1} + A \sin \left(\frac{\pi}{6} t + \theta \right)$ $= \sum_{i=1}^{\phi} a_i \ln D_{t-\phi+i,1} + a_{\phi+1} \sin \frac{\pi}{6} t + a_{\phi+2} \cos \frac{\pi}{6} t$ $\ln \hat{Z}_t = \sum_{i=1}^{\phi} b_i \ln D_{t-\phi+i,1} + b_{\phi+1} \sin \frac{\pi}{6} t + b_{\phi+2} \cos \frac{\pi}{6} t$ |

Model Test Set #5 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|------------------------------------|--|
| 10,16,22 | Log Autoregressive Lag
Seasonal without
Constant | LAR1 LAG,
LAR2 LAG,
LAR3 LAG | $\ln \hat{Y}_t = \sum_{i=1}^{\phi} a_i \ln D_{t-\phi+i,1} + a_{\phi+1} * \ln D_{t-12+LT,LT}$ |
| | | | $\ln \hat{Z}_t = \sum_{i=1}^{\phi} b_i \ln D_{t-\phi+i,1} + b_{\phi+1} * \ln D_{t-12+LT+PC,PC}$ |
| 11,17,23 | Integrated Log Autoregressive
without Constant | ILAR1, ILAR2,
ILAR3 | $\ln \hat{Y}_t = \sum_{i=1}^{\phi} a_i (\ln D_{t-\phi+i,1} - \ln D_{t-\phi+i-1,1}) + \ln D_{t,LT}$ |
| | | | $\ln \hat{Z}_t = \sum_{i=1}^{\phi} b_i (\ln D_{t-\phi+i,1} - \ln D_{t-\phi+i-1,1}) + \ln D_{t,PC}$ |

Model Test Set #5 (cont'd.)

| Model No. | Model Name | Acronyms | Formula |
|-----------|---|--|---|
| 12,18,24 | Integrated Log Autoregressive
Harmonic without Constant | ILAR1 HARM,
ILAR2 HARM,
ILAR3 HARM | $\hat{\ln Y}_t = \sum_{i=1}^{\phi} a_i (\ln D_{t-\phi+i,1} - \ln D_{t-\phi+i-1,1}) + a_{\phi+1} \sin \frac{\pi t}{6}$ $+ a_{\phi+2} \cos \frac{\pi t}{6} + \ln D_{t,LT}$ $\hat{Z}_t = \sum_{i=1}^{\phi} b_i (\ln D_{t-\phi+i,1} - \ln D_{t-\phi+i-1,1}) + b_{\phi+1} \sin \frac{\pi t}{6}$ $+ b_{\phi+2} \cos \frac{\pi t}{6} + \ln D_{t,PC}$ |
| 13,19,25 | Integrated Log Autoregressive
Lag Seasonal without
Constant | ILAR1 LAG,
ILAR2 LAG,
ILAR3 LAG | $\hat{\ln Y}_t = \sum_{i=1}^{\phi} a_i (\ln D_{t-\phi+i,1} - \ln D_{t-\phi+i-1,1}) + a_{\phi+1} (\ln D_{t+LT-12,LT}$ $- \ln D_{t-12,LT}) + \ln D_{t,LT}$ $\hat{\ln Z}_t = \sum_{i=1}^{\phi} b_i (\ln D_{t-\phi+i,1} - \ln D_{t-\phi+i-1,1}) + b_{\phi+1} (\ln D_{t-12+LT+PC,PC}$ $- \ln D_{t-12,PC}) + \ln D_{t,PC}$ |

Model Test Set #6

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|-------------------------|----------------|---|
| 1 | Global Mean | GLOB MEAN | $\hat{Y}_t = \frac{LT}{t} \sum_{i=1}^t X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{t} \sum_{i=1}^t X_{t-i+1}$ |
| 2 | 6 Month Moving Average | 6-MO AVG | $\hat{Y}_t = \frac{LT}{6} \sum_{i=1}^6 X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{6} \sum_{i=1}^6 X_{t-i+1}$ |
| 3 | 12 Month Moving Average | 12-MO AVG | $\hat{Y}_t = \frac{LT}{12} \sum_{i=1}^{12} X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{12} \sum_{i=1}^{12} X_{t-i+1}$ |
| 4 | 18 Month Moving Average | 18-MO AVG | $\hat{Y}_t = \frac{LT}{18} \sum_{i=1}^{18} X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{18} \sum_{i=1}^{18} X_{t-i+1}$ |

Model Test Set #6 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|---|----------------|---|
| 5 | Last Lead Time or
Procurement Cycle Demand | Last LT/PC | $Y_t = D_t, LT$
$Z_t = D_t, PC$ |
| 6 | Lead Time or Procurement
Cycle Demand 1 Year Ago | Last Year | $Y_t = D_{t-12+LT, LT}$
$Z_t = D_{t-12+LT+PC, PC}$ |

Model Test Set #6 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|-------------------|----------------|---|
| 7 | DLA Methods | DLA | <p><u>Perishable Items:</u></p> $\hat{Y}_t = \frac{LT}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ $\hat{Z}_t = \frac{PC}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ <p><u>Semiperishable Items:</u></p> $\hat{Y}_t = LT * \left[(2 S_t - S''_t) + \frac{\alpha}{1-\alpha} (S_t - S''_t) \right]$ $\hat{Z}_t = PC * \left[(2 S_t - S''_t) + \frac{\alpha}{1-\alpha} (S_t - S''_t) \right]$ |

where S_t is the single exponential smoothed average of monthly demand at time t and S''_t is the double exponential smoothed average of monthly demand at time t . The smoothing parameter α is .10, .15, and .20. The forecast is chosen using the smoothing parameter which results in the least mean absolute deviation over the past data. Note that $2S_t - S''_t$ is the expected value of the demand series at time t and not the true double exponential smoothed forecast one period ahead. See Gardner (1984).

Model Test Set #6 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|---|----------------|---|
| 8 | Log Normal Autoregressive with Constant ($\phi = 1$) | LNAR1C | $\ln \hat{Y}_t = a_1 \ln D_{t,LT} + a_2$ $\ln \hat{Z}_t = b_1 \ln D_{t,PC} + b_2$ |
| 9 | Log Normal Autoregressive Harmonic with Constant ($\phi = 1$) | LNAR1C HARM | $\ln \hat{Y}_t = a_1 \ln D_{t,LT} + A \sin \left(\frac{\pi}{6} t + \theta \right) + a_4$ $= a_1 \ln D_{t,LT} + a_2 \sin \frac{\pi}{6} t + a_3 \cos \frac{\pi}{6} t + a_4$ $\ln \hat{Z}_t = b_1 \ln D_{t,PC} + b_2 \sin \frac{\pi}{6} t + b_3 \cos \frac{\pi}{6} t + b_4$ |

Model Test Set #6 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|---|----------------|--|
| 10 | Log Normal Autoregressive
Seasonal with Constant
($\phi = 1$) | LNARIC LAG | $\ln \hat{Y}_t = a_1 \ln (D_{t,LT}) + a_2 * \ln (D_{t-12+LT,LT}) + a_3$ $\ln \hat{Z}_t = b_1 \ln (D_{t,PC}) + b_2 * \ln (D_{t-12+LT+PC,PC}) + b_3$ |

Model Test Set #7

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|-------------------------|----------------|---|
| 1 | Global Mean | GLOB MEAN | $\hat{Y}_t = \frac{LT}{t} \sum_{i=1}^t X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{t} \sum_{i=1}^t X_{t-i+1}$ |
| 2 | 6 Month Moving Average | 6-MO AVG | $\hat{Y}_t = \frac{LT}{6} \sum_{i=1}^6 X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{6} \sum_{i=1}^6 X_{t-i+1}$ |
| 3 | 12 Month Moving Average | 12-MO AVG | $\hat{Y}_t = \frac{LT}{12} \sum_{i=1}^{12} X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{12} \sum_{i=1}^{12} X_{t-i+1}$ |
| 4 | 18 Month Moving Average | 18-MO AVG | $\hat{Y}_t = \frac{LT}{18} \sum_{i=1}^{18} X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{18} \sum_{i=1}^{18} X_{t-i+1}$ |

Model Test Set #7 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|----------------------------|
| 5 | Last Lead Time or Procurement Cycle Demand | Last LT/PC | $Y_t = D_t, LT$ |
| | | | $Z_t = D_t, PC$ |
| 6 | Lead Time or Procurement Cycle Demand 1 Year Ago | Last Year | $Y_t = D_{t-12+LT}, LT$ |
| | | | $Z_t = D_{t-12+LT+PC}, PC$ |

Model Test Set #7 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|-------------------|----------------|---|
| 7 | DLA Methods | DLA | <p><u>Perishable Items:</u></p> $\hat{Y}_t = \frac{LT}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ $\hat{Z}_t = \frac{PC}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ <p><u>Semiperishable Items:</u></p> $\hat{Y}_t = LT * \left[(2 S_t - S''_t) + \frac{\alpha}{1-\alpha} (S_t - S''_t) \right]$ $\hat{Z}_t = PC * \left[(2 S_t - S''_t) + \frac{\alpha}{1-\alpha} (S_t - S''_t) \right]$ |

where S_t is the single exponential smoothed average of monthly demand at time t and S''_t is the double exponential smoothed average of monthly demand at time t . The smoothing parameter α is .10, .15, and .20. The forecast is chosen using the smoothing parameter which results in the least mean absolute deviation over the past data. Note that $2S_t - S''_t$ is the expected value of the demand series at time t and not the true double exponential smoothed forecast one period ahead. See Gardner (1984).

Model Test Set #7 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|------------------------------------|--|
| 8,14,20 | Six Month Autoregressive with Constant ($\phi=1,2,3$) | 6AR1C, 6AR2C, 6AR3C | $\hat{Y}_t = \sum_{i=1}^{\phi} a_i D_{t-\phi+1,6} + a_{\phi+1}$ $\hat{Z}_t = \sum_{i=1}^{\phi} b_i D_{t-\phi+1,6} + b_{\phi+1}$ |
| 9,15,21 | Six Month Autoregressive Harmonic with Constant ($\phi=1,2,3$) | 6AR1C HARM, 6AR2C HARM, 6AR3C HARM | $\hat{Y}_t = \sum_{i=1}^{\phi} a_i D_{t-\phi+1,6} + A \sin \left(\frac{\pi t}{6} + \theta \right) + a_{\phi+3}$ $= \sum_{i=1}^{\phi} a_i D_{t-\phi+1,6} + a_{\phi+1} \sin \frac{\pi t}{6} + a_{\phi+2} \cos \frac{\pi t}{6} + a_{\phi+3}$ $\hat{Z}_t = \sum_{i=1}^{\phi} b_i D_{t-\phi+1,6} + b_{\phi+1} \sin \frac{\pi t}{6} + b_{\phi+2} \cos \frac{\pi t}{6} + b_{\phi+3}$ |

Model Test Set #7 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|---------------------------------------|--|
| 10,16,22 | Six Month Autoregressive
Lag Seasonal with Constant
($\phi = 1,2,3$) | 6AR1C LAG,
6AR2C LAG,
6AR3C LAG | $\hat{Y}_t = \sum_{i=1}^{\phi} a_i D_{t-\phi+i,6} + a_{\phi+1} * D_{t-12+LT,LT} + a_{\phi+2}$
$\hat{Z}_t = \sum_{i=1}^{\phi} b_i D_{t-\phi+i,6} + b_{\phi+1} * D_{t-12+LT+PC,PC} + b_{\phi+2}$ |
| 11,17,23 | Integrated Six Month
Autoregressive with Constant
($\phi = 1,2,3$) | I6AR1C, I6AR2C,
I6AR3C | $\hat{Y}_t = \sum_{i=1}^{\phi} a_i (D_{t-\phi+i,6} - D_{t-\phi+i-1,6}) + a_{\phi+1} + D_{t,LT}$
$\hat{Z}_t = \sum_{i=1}^{\phi} b_i (D_{t-\phi+i,6} - D_{t-\phi+i-1,6}) + b_{\phi+1} + D_{t,PC}$ |

Model Test Set #7 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|---|---|---|
| 12,18,24 | Integrated Six Month Autoregressive with Constant ($\phi = 1,2,3$) | I6AR1C HARM,
I6AR2C HARM,
I6AR3C HARM | $\hat{Y}_t = \sum_{i=1}^{\phi} a_i (D_{t-\phi+i,6} - D_{t-\phi+i-1,6}) + a_{\phi+1} \sin \frac{\pi}{6} t$ $+ a_{\phi+2} \cos \frac{\pi}{6} t + a_{\phi+3} + D_{t,LT}$ |
| | | | $\hat{Z}_t = \sum_{i=1}^{\phi} b_i (D_{t-\phi+i,6} - D_{t-\phi+i-1,6}) + b_{\phi+1} \sin \frac{\pi}{6} t$ $+ b_{\phi+2} \cos \frac{\pi}{6} t + b_{\phi+3} + D_{t,PC}$ |
| 13,19,25 | Integrated Six Month Autoregressive Lag Seasonal with Constant ($\phi = 1,2,3$) | I6AR1C LAG,
I6AR2C LAG,
I6AR3C LAG | $\hat{Y}_t = \sum_{i=1}^{\phi} a_i (D_{t-\phi+i,6} - D_{t-\phi+i-1,6}) + a_{\phi+1} (D_{t-12+LT,LT}$ $- D_{t-12,LT}) + a_{\phi+2} + D_{t,LT}$ |
| | | | $\hat{Z}_t = \sum_{i=1}^{\phi} b_i (D_{t-\phi+i,6} - D_{t-\phi+i-1,6}) + b_{\phi+1} (D_{t-12+LT+PC,PC}$ $- D_{t-12,PC}) + b_{\phi+2} + D_{t,PC}$ |

Model Test Set #8

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|-------------------------|----------------|---|
| 1 | Global Mean | GLOB MEAN | $\hat{Y}_t = \frac{LT}{t} \sum_{i=1}^t X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{t} \sum_{i=1}^t X_{t-i+1}$ |
| 2 | 6 Month Moving Average | 6-MO AVG | $\hat{Y}_t = \frac{LT}{6} \sum_{i=1}^6 X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{6} \sum_{i=1}^6 X_{t-i+1}$ |
| 3 | 12 Month Moving Average | 12-MO AVG | $\hat{Y}_t = \frac{LT}{12} \sum_{i=1}^{12} X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{12} \sum_{i=1}^{12} X_{t-i+1}$ |
| 4 | 18 Month Moving Average | 18-MO AVG | $\hat{Y}_t = \frac{LT}{18} \sum_{i=1}^{18} X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{18} \sum_{i=1}^{18} X_{t-i+1}$ |

Model Test Set #8 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|---|----------------|----------------------------|
| 5 | Last Lead Time or
Procurement Cycle Demand | Last LT/PC | $Y_t = D_t, LT$ |
| | | | $Z_t = D_t, PC$ |
| 6 | Lead Time or Procurement
Cycle Demand 1 Year Ago | Last Year | $Y_t = D_{t-12+LT}, LT$ |
| | | | $Z_t = D_{t-12+LT+PC}, PC$ |

Model Test Set #8 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|-------------------|----------------|---|
| 7 | DLA Methods | DLA | <p><u>Perishable Items:</u></p> $\hat{Y}_t = \frac{LT}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ $\hat{Z}_t = \frac{PC}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ <p><u>Semiperishable Items:</u></p> $\hat{Y}_t = LT * \left[(2 S_t - S''_t) + \frac{\alpha}{1-\alpha} (S_t - S''_t) \right]$ $\hat{Z}_t = PC * \left[(2 S_t - S''_t) + \frac{\alpha}{1-\alpha} (S_t - S''_t) \right]$ |

where S_t is the single exponential smoothed average of monthly demand at time t and S''_t is the double exponential smoothed average of monthly demand at time t . The smoothing parameter α is .10, .15, and .20. The forecast is chosen using the smoothing parameter which results in the least mean absolute deviation over the past data. Note that $2S_t - S''_t$ is the expected value of the demand series at time t and not the true double exponential smoothed forecast one period ahead. See Gardner (1984).

Model Test Set #8 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|--|
| 8 | Log Six Month Autoregressive with Constant ($\phi = 1$) | L6NAR1C | $\ln \hat{Y}_t = a_1 \ln D_{t,6} + a_2$ $\ln \hat{Z}_t = b_1 \ln D_{t,6} + b_2$ |
| 9 | Log Six Month Autoregressive Harmonic with Constant ($\phi = 1$) | L6AR1C HARM | $\ln \hat{Y}_t = a_1 \ln D_{t,6} + A \sin \left(\frac{\pi}{6} t + \theta \right) + a_4$ $= a_1 \ln D_{t,6} + a_2 \sin \frac{\pi}{6} t + a_3 \cos \frac{\pi}{6} t + a_4$ $\ln \hat{Z}_t = b_1 \ln D_{t,6} + b_2 \sin \frac{\pi}{6} t + b_3 \cos \frac{\pi}{6} t + b_4$ |

Model Test Set #8 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|--|
| 10 | Log Six Month Autoregressive
Lag Seasonal with Constant
($\phi = 1$) | L6AR1C LAG | $\ln \hat{Y}_t = a_1 \ln D_{t,6} + a_2 * \ln D_{t-12+LT,LT} + a_3$ $\ln \hat{Z}_t = b_1 \ln D_{t,6} + b_2 * \ln D_{t-12+LT+PC,PC} + b_3$ |

Model Test Set #9

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|-------------------------|----------------|---|
| 1 | Global Mean | GLOB MEAN | $\hat{Y}_t = \frac{LT}{t} \sum_{i=1}^t X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{t} \sum_{i=1}^t X_{t-i+1}$ |
| 2 | 6 Month Moving Average | 6-MO AVG | $\hat{Y}_t = \frac{LT}{6} \sum_{i=1}^6 X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{6} \sum_{i=1}^6 X_{t-i+1}$ |
| 3 | 12 Month Moving Average | 12-MO AVG | $\hat{Y}_t = \frac{LT}{12} \sum_{i=1}^{12} X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{12} \sum_{i=1}^{12} X_{t-i+1}$ |
| 4 | 18 Month Moving Average | 18-MO AVG | $\hat{Y}_t = \frac{LT}{18} \sum_{i=1}^{18} X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{18} \sum_{i=1}^{18} X_{t-i+1}$ |

Model Test Set #9 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|---------------------------|
| 5 | Last Lead Time or Procurement Cycle Demand | Last LT/PC | $Y_t = D_{t,LT}$ |
| | | | $Z_t = D_{t,PC}$ |
| 6 | Lead Time or Procurement Cycle Demand 1 Year Ago | Last Year | $Y_t = D_{t-12+LT,LT}$ |
| | | | $Z_t = D_{t-12+LT+PC,PC}$ |

Model Test Set #9 (cont'd.)

| Model No. | Model Name | Acronym | Formula |
|-----------|-------------|---------|---|
| 7 | DLA Methods | DLA | <p><u>Perishable Items:</u></p> $\hat{Y}_t = \frac{LT}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ $\hat{Z}_t = \frac{PC}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ <p><u>Semiperishable Items:</u></p> $\hat{Y}_t = LT * \left[(2 S_t - S''_t) + \frac{\alpha}{1-\alpha} (S_t - S''_t) \right]$ $\hat{Z}_t = PC * \left[(2 S_t - S''_t) + \frac{\alpha}{1-\alpha} (S_t - S''_t) \right]$ |

where S_t is the single exponential smoothed average of monthly demand at time t and S''_t is the double exponential smoothed average of monthly demand at time t . The smoothing parameter α is .10, .15, and .20. The forecast is chosen using the smoothing parameter which results in the least mean absolute deviation over the past data. Note that $2S_t - S''_t$ is the expected value of the demand series at time t and not the true double exponential smoothed forecast one period ahead. See Gardner (1984).

Model Test Set #9 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|--|
| 8 | Autoregressive with Constant ($\phi = 1$) | AR1C | $\hat{Y}_t = a_1 D_{t,1} + a_2$ $\hat{Z}_t = b_1 D_{t,1} + b_2$ |
| 9 | Autoregressive Harmonic with Constant ($\phi = 1$) | AR1C HARM | $\hat{Y}_t = a_1 D_{t,1} + A \sin \left(\frac{\pi}{6} t + \theta \right) + a_4$ $= a_1 D_{t,1} + a_2 \sin \frac{\pi}{6} t + a_3 \cos \frac{\pi}{6} t + a_4$ $\hat{Z}_t = b_1 D_{t,1} + b_2 \sin \frac{\pi}{6} t + b_3 \cos \frac{\pi}{6} t + b_4$ |

Model Test Set #9 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|---|
| 10 | Autoregressive Lag
Seasonal with Constant
($\phi = 1$) | AR1C LAG | $\hat{Y}_t = a_1 D_{t,1} + a_2 D_{t-12+LT,LT} + a_3$ |
| | | | $\hat{Z}_t = b_1 D_{t,1} + b_2 D_{t-12+LT+PC,PC} + b_3$ |
| 11 | Normal Autoregressive with
Constant ($\phi = 1$) | NAR1C | $\hat{Y}_t = a_1 D_{t,LT} + a_2$ |
| | | | $\hat{Z}_t = b_1 D_{t,PC} + b_2$ |

Model Test Set #9 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|---|
| 12 | Normal Autoregressive Harmonic with Constant
($\phi = 1$) | NAR1C HARM | $\hat{Y}_t = a_1 D_{t,LT} + A \sin \left(\frac{\pi}{6} t + \theta \right) + a_4$ $= a_1 D_{t,LT} + a_2 \sin \frac{\pi}{6} t + a_3 \cos \frac{\pi}{6} t + a_4$ $\hat{Z}_t = b_1 D_{t,PC} + b_2 \sin \frac{\pi}{6} t + b_3 \cos \frac{\pi}{6} t + b_4$ |
| 13 | Normal Autoregressive Lag Seasonal with Constant
($\phi = 1$) | NAR1C LAG | $\hat{Y}_t = a_1 D_{t,LT} + a_2 D_{t-12+LT,LT} + a_3$ $\hat{Z}_t = b_1 D_{t,PC} + b_2 D_{t-12+LT+PC,PC} + b_3$ |

Model Test Set #9 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|--|
| 14 | Log Autoregressive with Constant ($\phi = 1$) | LAR1C | $\ln \hat{Y}_t = a_1 \ln (D_{t,1}) + a_2$ $\ln \hat{Z}_t = b_1 \ln (D_{t,1}) + b_2$ |
| 15 | Log Autoregressive Harmonic with Constant ($\phi = 1$) | LAR1C HARM | $\ln \hat{Y}_t = a_1 \ln (D_{t,1}) + A \sin \left(\frac{\pi}{6} t + \theta \right) + a_4$ $= a_1 \ln (D_{t,1}) + a_2 \sin \frac{\pi}{6} t + a_3 \cos \frac{\pi}{6} t + a_4$ $\ln \hat{Z}_t = b_1 \ln (D_{t,1}) + b_2 \sin \frac{\pi}{6} t + b_3 \cos \frac{\pi}{6} t + b_4$ |

Model Test Set #9 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|---|
| 16 | Log Autoregressive Lag Seasonal with Constant ($\phi = 1$) | LAR1C LAG | $\hat{\ln Y}_t = a_1 \ln (D_{t,1}) + a_2 \ln (D_{t-12+LT,LT}) + a_3$ |
| | | | $\hat{\ln Z}_t = b_1 \ln (D_{t,1}) + b_2 \ln (D_{t-12+LT+PC,PC}) + b_3$ |
| 17 | Log Normal Autoregressive with Constant ($\phi = 1$) | LNAR1C | $\hat{\ln Y}_t = a_1 \ln (D_{t,LT}) + a_2$ |
| | | | $\hat{\ln Z}_t = b_1 \ln (D_{t,PC}) + b_2$ |

Model Test Set #9 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|---|----------------|--|
| 18 | Log Normal Autoregressive Harmonic with Constant ($\phi = 1$) | LNAR1C HARM | $\ln \hat{Y}_t = a_1 \ln (D_t, LT) + A \sin \left(\frac{\pi}{6} t + \theta \right) + a_4$ $= a_1 \ln (D_t, LT) + a_2 \sin \frac{\pi}{6} t + a_3 \cos \frac{\pi}{6} t + a_4$ $\ln \hat{Z}_t = b_1 \ln (D_t, PC) + b_2 \sin \frac{\pi}{6} t + b_3 \cos \frac{\pi}{6} t + b_4$ |
| 19 | Log Normal Autoregressive Seasonal with Constant ($\phi = 1$) | LNAR1C LAG | $\ln \hat{Y}_t = a_1 \ln (D_t, LT) + a_2 \ln (D_t - 12 + LT, LT) + a_3$ $\ln \hat{Z}_t = b_1 \ln (D_t, PC) + b_2 \ln (D_t - 12 + LT + PC, PC) + b_3$ |

Model Test Set #9 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|---|----------------|--|
| 20 | Square Root Autoregressive
with Constant ($\phi = 1$) | SARIC | $\text{SQRT } \hat{Y}_t = a_1 \text{ SQRT } (D_{t,1}) + a_2$ $\text{SQRT } \hat{Z}_t = b_1 \text{ SQRT } (D_{t,1}) + b_2$ |
| 21 | Square Root Autoregressive
Harmonic with Constant ($\phi = 1$) | SARIC HARM | $\text{SQRT } \hat{Y}_t = a_1 \text{ SQRT } (D_{t,1}) + A \sin \left(\frac{\pi}{6} t + \theta \right) + a_4$ $= a_1 \text{ SQRT } (D_{t,1}) + a_2 \sin \frac{\pi}{6} t + a_3 \cos \frac{\pi}{6} t + a_4$ $\text{SQRT } \hat{Z}_t = b_1 \text{ SQRT } (D_{t,1}) + b_2 \sin \frac{\pi}{6} t + b_3 \cos \frac{\pi}{6} t + b_4$ |

Model Test Set #9 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|--|
| 22 | Square Root Autoregressive Seasonal with Constant ($\phi = 1$) | SAR1C LAG | $\text{SQRT } \hat{Y}_t = a_1 \text{ SQRT } (D_{t,1}) + a_2 \text{ SQRT } (D_{t-12+LT,LT}) + a_3$ |
| | | | $\text{SQRT } \hat{Z}_t = b_1 \text{ SQRT } (D_{t,1}) + b_2 \text{ SQRT } (D_{t-12+LT+PC,PC}) + b_3$ |
| 23 | Square Root Normal Autoregressive with Constant ($\phi = 1$) | SNAR1C | $\text{SQRT } \hat{Y}_t = a_1 \text{ SQRT } (D_{t,LT}) + a_2$ |
| | | | $\text{SQRT } \hat{Z}_t = b_1 \text{ SQRT } (D_{t,PC}) + b_2$ |

Model Test Set #9 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|---|----------------|--|
| 24 | Square Root Normal Autoregressive Harmonic with Constant ($\phi = 1$) | SNARIC HARM | $\begin{aligned} \text{SQRT } \hat{Y}_t &= a_1 \text{ SQRT } (D_{t,LT}) + A \sin \left(\frac{\pi}{6} t + \theta \right) + a_4 \\ &= a_1 \text{ SQRT } (D_{t,LT}) + a_2 \sin \frac{\pi}{6} t + a_3 \cos \frac{\pi}{6} t + a_4 \end{aligned}$ $\text{SQRT } \hat{Z}_t = b_1 \text{ SQRT } (D_{t,PC}) + b_2 \sin \frac{\pi}{6} t + b_3 \cos \frac{\pi}{6} t + b_4$ |
| 25 | Square Root Normal Autoregressive Seasonal with Constant ($\phi = 1$) | SNARIC LAG | $\begin{aligned} \text{SQRT } \hat{Y}_t &= a_1 \text{ SQRT } (D_{t,LT}) + a_2 \text{ SQRT } (D_{t-12+LT,LT}) + a_3 \\ \text{SQRT } \hat{Z}_t &= b_1 \text{ SQRT } (D_{t,PC}) + b_2 \text{ SQRT } (D_{t-12+LT+PC,PC}) + b_3 \end{aligned}$ |

Model Test Set #10

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|-------------------------|----------------|---|
| 1 | Global Mean | GLOB MEAN | $\hat{Y}_t = \frac{LT}{t} \sum_{i=1}^t X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{t} \sum_{i=1}^t X_{t-i+1}$ |
| 2 | 6 Month Moving Average | 6-MO AVG | $\hat{Y}_t = \frac{LT}{6} \sum_{i=1}^6 X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{6} \sum_{i=1}^6 X_{t-i+1}$ |
| 3 | 12 Month Moving Average | 12-MO AVG | $\hat{Y}_t = \frac{LT}{12} \sum_{i=1}^{12} X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{12} \sum_{i=1}^{12} X_{t-i+1}$ |
| 4 | 18 Month Moving Average | 18-MO AVG | $\hat{Y}_t = \frac{LT}{18} \sum_{i=1}^{18} X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{18} \sum_{i=1}^{18} X_{t-i+1}$ |

Model Test Set #10 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|----------------------------|
| 5 | Last Lead Time or Procurement Cycle Demand | Last LT/PC | $Y_t = D_t, LT$ |
| | | | $Z_t = D_t, PC$ |
| 6 | Lead Time or Procurement Cycle Demand 1 Year Ago | Last Year | $Y_t = D_{t-12+LT}, LT$ |
| | | | $Z_t = D_{t-12+LT+PC}, PC$ |

Model Test Set #10 (cont'd.)

| Model No. | Model Name | Acronym | Formula |
|-----------|-------------|---------|---|
| 7 | DLA Methods | DLA | <p><u>Perishable Items:</u></p> $\hat{Y}_t = \frac{LT}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ $\hat{Z}_t = \frac{PC}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ <p><u>Semiperishable Items:</u></p> $\hat{Y}_t = LT * \left[(2 S_t - S''_t) + \frac{\alpha}{1-\alpha} (S_t - S''_t) \right]$ $\hat{Z}_t = PC * \left[(2 S_t - S''_t) + \frac{\alpha}{1-\alpha} (S_t - S''_t) \right]$ |

where S_t is the single exponential smoothed average of monthly demand at time t and S''_t is the double exponential smoothed average of monthly demand at time t . The smoothing parameter α is .10, .15, and .20. The forecast is chosen using the smoothing parameter which results in the least mean absolute deviation over the past data. Note that $2S_t - S''_t$ is the expected value of the demand series at time t and not the true double exponential smoothed forecast one period ahead. See Gardner (1984).

Model Test Set #10 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|--|
| 8 | Autoregressive without Constant | AR1 | $\hat{Y}_t = a_1 D_{t,1}$ $\hat{Z}_t = b_1 D_{t,1}$ |
| 9 | Autoregressive Harmonic without Constant | AR1 HARM | $\hat{Y}_t = a_1 D_{t,1} + A \sin \left(\frac{\pi}{6} t + \theta \right)$ $= a_1 D_{t,1} + a_2 \sin \frac{\pi}{6} t + a_3 \cos \frac{\pi}{6} t$ $\hat{Z}_t = b_1 D_{t,1} + b_2 \sin \frac{\pi}{6} t + b_3 \cos \frac{\pi}{6} t$ |

Model Test Set #10 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|---|----------------|---|
| 10 | Autoregressive Lag
Seasonal without Constant | AR1 LAG | $\hat{Y}_t = a_1 D_{t,1} + a_2 D_{t-12+LT,LT}$ |
| | | | $\hat{Z}_t = b_1 D_{t,1} + b_2 D_{t-12+LT+PC,PC}$ |
| 11 | Normal Autoregressive
without Constant | NAR1 | $\hat{Y}_t = a_1 D_{t,LT}$ |
| | | | $\hat{Z}_t = b_1 D_{t,PC}$ |

Model Test Set #10 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|--|
| 12 | Normal Autoregressive
Harmonic without Constant | NAR1 HARM | $\hat{Y}_t = a_1 D_{t,LT} + A \sin\left(\frac{\pi}{6} t + \theta\right)$ $= a_1 D_{t,LT} + a_2 \sin \frac{\pi}{6} t + a_3 \cos \frac{\pi}{6} t$ $\hat{Z}_t = b_1 D_{t,PC} + b_2 \sin \frac{\pi}{6} t + b_3 \cos \frac{\pi}{6} t$ |
| 13 | Normal Autoregressive Lag
Seasonal without Constant | NAR1 LAG | $\hat{Y}_t = a_1 D_{t,LT} + a_2 D_{t-12+LT,LT}$ $\hat{Z}_t = b_1 D_{t,PC} + b_2 D_{t-12+LT+PC,PC}$ |

Model Test Set #10 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|--|
| 14 | Log Autoregressive without Constant | LAR1 | $\ln \hat{Y}_t = a_1 \ln (D_{t,1})$ $\ln \hat{Z}_t = b_1 \ln (D_{t,1})$ |
| 15 | Log Autoregressive Harmonic without Constant | LAR1 HARM | $\ln \hat{Y}_t = a_1 \ln (D_{t,1}) + A \sin \left(\frac{\pi}{6} t + \theta \right)$ $= a_1 \ln (D_{t,1}) + a_2 \sin \frac{\pi}{6} t + a_3 \cos \frac{\pi}{6} t$ $\ln \hat{Z}_t = b_1 \ln (D_{t,1}) + b_2 \sin \frac{\pi}{6} t + b_3 \cos \frac{\pi}{6} t$ |

Model Test Set #10 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|---|----------------|---|
| 16 | Log Autoregressive Lag
Seasonal without Constant | LAR1 LAG | $\ln \hat{Y}_t = a_1 \ln (D_{t,1}) + a_2 \ln (D_{t-12+LT,LT})$ |
| | | | $\ln \hat{Z}_t = b_1 \ln (D_{t,1}) + b_2 \ln (D_{t-12+LT+PC,PC})$ |
| 17 | Log Normal Autoregressive
without Constant | LNAR1 | $\ln \hat{Y}_t = a_1 \ln (D_{t,LT})$ |
| | | | $\ln \hat{Z}_t = b_1 \ln (D_{t,PC})$ |

Model Test Set #10 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|---|
| 18 | Log Normal Autoregressive
Harmonic without Constant | LNAR1 HARM | $\hat{\ln Y}_t = a_1 \ln (D_{t,LT}) + A \sin \left(\frac{\pi}{6} t + \theta \right)$ $= a_1 \ln (D_{t,LT}) + a_2 \sin \frac{\pi}{6} t + a_3 \cos \frac{\pi}{6} t$ $\hat{\ln Z}_t = b_1 \ln (D_{t,PC}) + b_2 \sin \frac{\pi}{6} t + b_3 \cos \frac{\pi}{6} t$ |
| 19 | Log Normal Autoregressive
Seasonal without Constant | LNAR1 LAG | $\hat{\ln Y}_t = a_1 \ln (D_{t,LT}) + a_2 \ln (D_{t-12+LT,LT})$ $\hat{\ln Z}_t = b_1 \ln (D_{t,PC}) + b_2 \ln (D_{t-12+LT+PC,PC})$ |

Model Test Set #10 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|--|
| 20 | Square Root Autoregressive without Constant | SAR1 | $\hat{Y}_t = a_1 \text{ SQRT } (D_{t,1})$ $\hat{Z}_t = b_1 \text{ SQRT } (D_{t,1})$ |
| 21 | Square Root Autoregressive Harmonic without Constant | SAR1 HARM | $\hat{Y}_t = a_1 \text{ SQRT } (D_{t,1}) + A \sin \left(\frac{\pi}{6} t + \theta \right)$ $= a_1 \text{ SQRT } (D_{t,1}) + a_2 \sin \frac{\pi}{6} t + a_3 \cos \frac{\pi}{6} t$ $\hat{Z}_t = b_1 \text{ SQRT } (D_{t,1}) + b_2 \sin \frac{\pi}{6} t + b_3 \cos \frac{\pi}{6} t$ |

Model Test Set #10 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|--|
| 22 | Square Root Autoregressive Seasonal without Constant | SAR1 LAG | $\text{SQRT } \hat{Y}_t = a_1 \text{ SQRT } (D_{t,1}) + a_2 \text{ SQRT } (D_{t-12+LT,LT})$ $\text{SQRT } \hat{Z}_t = b_1 \text{ SQRT } (D_{t,1}) + b_2 \text{ SQRT } (D_{t-12+LT+PC,PC})$ |
| 23 | Square Root Normal Autoregressive without Constant | SNAR1 | $\text{SQRT } \hat{Y}_t = a_1 \text{ SQRT } (D_{t,LT})$ $\text{SQRT } \hat{Z}_t = b_1 \text{ SQRT } (D_{t,PC})$ |

Model Test Set #10 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|---|----------------|--|
| 24 | Square Root Normal Autoregressive Harmonic without Constant | SNAR1 HARM | $\hat{Y}_t = a_1 \text{ SQRT } (D_{t,LT}) + A \sin \left(\frac{\pi}{6} t + \theta \right)$ $= a_1 \text{ SQRT } (D_{t,LT}) + a_2 \sin \frac{\pi}{6} t + a_3 \cos \frac{\pi}{6} t$ $\text{SQRT } \hat{Z}_t = b_1 \text{ SQRT } (D_{t,PC}) + b_2 \sin \frac{\pi}{6} t + b_3 \cos \frac{\pi}{6} t$ |
| 25 | Square Root Normal Autoregressive Seasonal without Constant | SNAR1 LAG | $\hat{Y}_t = a_1 \text{ SQRT } (D_{t,LT}) + a_2 \text{ SQRT } (D_{t-12+LT,LT})$ $\text{SQRT } \hat{Z}_t = b_1 \text{ SQRT } (D_{t,PC}) + b_2 \text{ SQRT } (D_{t-12+LT+PC,PC})$ |

Model Test Set #11

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|------------------------|----------------|---|
| 1 | Global Mean | GLOB MEAN | $\hat{Y}_t = \frac{LT}{t} \sum_{i=1}^t X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{t} \sum_{i=1}^t X_{t-i+1}$ |
| 2 | 3 Month Moving Average | 3-MO AVG | $\hat{Y}_t = \frac{LT}{3} \sum_{i=1}^3 X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{3} \sum_{i=1}^3 X_{t-i+1}$ |
| 3 | 6 Month Moving Average | 6-MO AVG | $\hat{Y}_t = \frac{LT}{6} \sum_{i=1}^6 X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{6} \sum_{i=1}^6 X_{t-i+1}$ |
| 4 | 9 Month Moving Average | 9-MO AVG | $\hat{Y}_t = \frac{LT}{9} \sum_{i=1}^9 X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{9} \sum_{i=1}^9 X_{t-i+1}$ |

Model Test Set #11 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|-------------------------|----------------|---|
| 5 | 12 Month Moving Average | 12-MO AVG | $\hat{Y}_t = \frac{LT}{12} \sum_{i=1}^{12} X_{t-i+1}$ |
| | | | $\hat{Z}_t = \frac{PC}{12} \sum_{i=1}^{12} X_{t-i+1}$ |
| 6 | 15 Month Moving Average | 15-MO AVG | $\hat{Y}_t = \frac{LT}{15} \sum_{i=1}^{15} X_{t-i+1}$ |
| | | | $\hat{Z}_t = \frac{PC}{15} \sum_{i=1}^{15} X_{t-i+1}$ |
| 7 | 18 Month Moving Average | 18-MO AVG | $\hat{Y}_t = \frac{LT}{18} \sum_{i=1}^{18} X_{t-i+1}$ |
| | | | $\hat{Z}_t = \frac{PC}{18} \sum_{i=1}^{18} X_{t-i+1}$ |
| 8 | 21 Month Moving Average | 21-MO AVG | $\hat{Y}_t = \frac{LT}{21} \sum_{i=1}^{21} X_{t-i+1}$ |
| | | | $\hat{Z}_t = \frac{PC}{21} \sum_{i=1}^{21} X_{t-i+1}$ |

Model Test Set #11 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|-------------------------|----------------|---|
| 9 | 24 Month Moving Average | 24-MO AVG | $\hat{Y}_t = \frac{LT}{24} \sum_{i=1}^{24} X_{t-i+1}$ |
| | | | $\hat{Z}_t = \frac{PC}{24} \sum_{i=1}^{24} X_{t-i+1}$ |
| 10 | 36 Month Moving Average | 36-MO AVG | $\hat{Y}_t = \frac{LT}{36} \sum_{i=1}^{36} X_{t-i+1}$ |
| | | | $\hat{Z}_t = \frac{PC}{36} \sum_{i=1}^{36} X_{t-i+1}$ |

Model Test Set #11 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|---|----------------|----------------------------------|
| 11 | Last Lead Time or
Procurement Cycle Demand | Last LT/PC | $\hat{Y}_t = D_t, LT$ |
| | | | $\hat{Z}_t = D_t, PC$ |
| 12 | Lead Time or Procurement
Cycle Demand 1 Year Ago | Last Year | $\hat{Y}_t = D_{t-12+LT}, LT$ |
| | | | $\hat{Z}_t = D_{t-12+LT+PC}, PC$ |

Model Test Set #11 (cont'd.)

| Model No. | Model Name | Acronym | Formula |
|-----------|-------------|---------|---|
| 13 | DLA Methods | DLA | <p><u>Perishable Items:</u></p> $\hat{Y}_t = \frac{LT}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ $\hat{Z}_t = \frac{PC}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ <p><u>Semiperishable Items:</u></p> $\hat{Y}_t = LT * \left[(2 S_t - S''_t) + \frac{\alpha}{1-\alpha} (S_t - S''_t) \right]$ $\hat{Z}_t = PC * \left[(2 S_t - S''_t) + \frac{\alpha}{1-\alpha} (S_t - S''_t) \right]$ |

where S_t is the single exponential smoothed average of monthly demand at time t and S''_t is the double exponential smoothed average of monthly demand at time t . The smoothing parameter α is .10, .15, and .20. The forecast is chosen using the smoothing parameter which results in the least mean absolute deviation over the past data. Note that $2S_t - S''_t$ is the expected value of the demand series at time t and not the true double exponential smoothed forecast one period ahead. See Gardner (1984).

Model Test Set #12

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|-------------------------|----------------|---|
| 1 | Global Mean | GLOB MEAN | $\hat{Y}_t = \frac{LT}{t} \sum_{i=1}^t X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{t} \sum_{i=1}^t X_{t-i+1}$ |
| 2 | 12 Month Moving Average | 12-MO AVG | $\hat{Y}_t = \frac{LT}{12} \sum_{i=1}^{12} X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{12} \sum_{i=1}^{12} X_{t-i+1}$ |
| 3 | 24 Month Moving Average | 24-MO AVG | $\hat{Y}_t = \frac{LT}{24} \sum_{i=1}^{24} X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{24} \sum_{i=1}^{24} X_{t-i+1}$ |
| 4 | 36 Month Moving Average | 36-MO AVG | $\hat{Y}_t = \frac{LT}{36} \sum_{i=1}^{36} X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{36} \sum_{i=1}^{36} X_{t-i+1}$ |

Model Test Set #12 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|---------------------------------|
| 5 | Last Lead Time or Procurement Cycle Demand | Last LT/PC | $\hat{Y}_t = D_{t,LT}$ |
| | | | $\hat{Z}_t = D_{t,PC}$ |
| 6 | Lead Time or Procurement Cycle Demand 1 Year Ago | Last Year | $\hat{Y}_t = D_{t-12+LT,LT}$ |
| | | | $\hat{Z}_t = D_{t-12+LT+PC,PC}$ |

Model Test Set #12 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|-------------------|----------------|---|
| 7 | DLA Methods | DLA | <u>Perishable Items:</u>
$\hat{Y}_t = \frac{LT}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ $\hat{Z}_t = \frac{PC}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ |
| | | | <u>Semiperishable Items:</u>
$\hat{Y}_t = LT * \left[(2 S_t - S''_t) + \frac{\alpha}{1-\alpha} (S_t - S''_t) \right]$ $\hat{Z}_t = PC * \left[(2 S_t - S''_t) + \frac{\alpha}{1-\alpha} (S_t - S''_t) \right]$ |

where S_t is the single exponential smoothed average of monthly demand at time t and S''_t is the double exponential smoothed average of monthly demand at time t . The smoothing parameter α is .10, .15, and .20. The forecast is chosen using the smoothing parameter which results in the least mean absolute deviation over the past data. Note that $2S_t - S''_t$ is the expected value of the demand series at time t and not the true double exponential smoothed forecast one period ahead. See Gardner (1984).

Model Test Set #12 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|--|
| 8 | Autoregressive with Constant ($\phi = 1$) | ARIC | $\hat{Y}_t = a_1 D_{t,1} + a_2$ $\hat{Z}_t = b_1 D_{t,1} + b_2$ |
| 9 | Autoregressive Harmonic with Constant ($\phi = 1$) | ARIC HARM | $\hat{Y}_t = a_1 D_{t,1} + A \sin \left(\frac{\pi}{6} t + \theta \right) + a_4$ $= a_1 D_{t,1} + a_2 \sin \frac{\pi}{6} t + a_3 \cos \frac{\pi}{6} t + a_4$ $\hat{Z}_t = b_1 D_{t,1} + b_2 \sin \frac{\pi}{6} t + b_3 \cos \frac{\pi}{6} t + b_4$ |

Model Test Set #12 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|--|
| 10 | Autoregressive Lag
Seasonal with Constant
($\phi = 1$) | AR1C LAG | $\hat{Y}_t = a_1 D_{t,1} + a_2 D_{t-12+LT} + a_3$ |
| | | | $\hat{Z}_t = b_1 D_{t,1} + b_2 D_{t-12+LT+PC} + b_3$ |
| 11 | Normal Autoregressive with
Constant ($\phi = 1$) | NAR1C | $\hat{Y}_t = a_1 D_{t,LT} + a_2$ |
| | | | $\hat{Z}_t = b_1 D_{t,PC} + b_2$ |

Model Test Set #12 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|--|
| 12 | Normal Autoregressive Harmonic with Constant
($\phi = 1$) | NAR1C HARM | $\hat{Y}_t = a_1 D_{t,LT} + A \sin\left(\frac{\pi}{6} t + \theta\right) + a_4$ $= a_1 D_{t,LT} + a_2 \sin \frac{\pi}{6} t + a_3 \cos \frac{\pi}{6} t + a_4$ $\hat{Z}_t = b_1 D_{t,PC} + b_2 \sin \frac{\pi}{6} t + b_3 \cos \frac{\pi}{6} t + b_4$ |
| 13 | Normal Autoregressive Lag Seasonal with Constant
($\phi = 1$) | NAR1C LAG | $\hat{Y}_t = a_1 D_{t,LT} + a_2 D_{t-12+LT,LT} + a_3$ $\hat{Z}_t = b_1 D_{t,PC} + b_2 D_{t-12+LT+PC,PC} + b_3$ |

Model Test Set #12 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|--|
| 14 | Log Autoregressive with Constant ($\phi = 1$) | LAR1C | $\ln \hat{Y}_t = a_1 \ln (D_{t,1}) + a_2$ $\ln \hat{Z}_t = b_1 \ln (D_{t,1}) + b_2$ |
| 15 | Log Autoregressive Harmonic with Constant ($\phi = 1$) | LAR1C HARM | $\ln \hat{Y}_t = a_1 \ln (D_{t,1}) + A \sin \left(\frac{\pi}{6} t + \theta \right) + a_4$ $= a_1 \ln (D_{t,1}) + a_2 \sin \frac{\pi}{6} t + a_3 \cos \frac{\pi}{6} t + a_4$ $\ln \hat{Z}_t = b_1 \ln (D_{t,1}) + b_2 \sin \frac{\pi}{6} t + b_3 \cos \frac{\pi}{6} t + b_4$ |

Model Test Set #12 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|---|
| 16 | Log Autoregressive Lag Seasonal with Constant ($\phi = 1$) | LAR1C LAG | $\ln \hat{Y}_t = a_1 \ln (D_{t,1}) + a_2 \ln (D_{t-12+LT,LT}) + a_3$ |
| | | | $\ln \hat{Z}_t = b_1 \ln (D_{t,1}) + b_2 \ln (D_{t-12+LT+PC,PC}) + b_3$ |
| 17 | Log Normal Autoregressive with Constant ($\phi = 1$) | LNAR1C | $\ln \hat{Y}_t = a_1 \ln (D_{t,LT}) + a_2$ |
| | | | $\ln \hat{Z}_t = b_1 \ln (D_{t,PC}) + b_2$ |

Model Test Set #12 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|---|----------------|--|
| 18 | Log Normal Autoregressive
Harmonic with Constant
($\phi = 1$) | LNARLC HARM | $\ln \hat{Y}_t = a_1 \ln (D_{t,LT}) + A \sin \left(\frac{\pi}{6} t + \theta \right) + a_4$ $= a_1 \ln (D_{t,LT}) + a_2 \sin \frac{\pi}{6} t + a_3 \cos \frac{\pi}{6} t + a_4$ |
| | | | $\ln \hat{Z}_t = b_1 \ln (D_{t,PC}) + b_2 \sin \frac{\pi}{6} t + b_3 \cos \frac{\pi}{6} t + b_4$ |
| 19 | Log Normal Autoregressive
Seasonal with Constant
($\phi = 1$) | LNARLC LAG | $\ln \hat{Y}_t = a_1 \ln (D_{t,LT}) + a_2 \ln (D_{t-12+LT,LT}) + a_3$ $\ln \hat{Z}_t = b_1 \ln (D_{t,PC}) + b_2 \ln (D_{t-12+LT+PC,PC}) + b_3$ |

Model Test Set #13

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|-------------------------|----------------|---|
| 1 | Global Mean | GLOB MEAN | $\hat{Y}_t = \frac{LT}{t} \sum_{i=1}^t X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{t} \sum_{i=1}^t X_{t-i+1}$ |
| 2 | 12 Month Moving Average | 12-MO AVG | $\hat{Y}_t = \frac{LT}{12} \sum_{i=1}^{12} X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{12} \sum_{i=1}^{12} X_{t-i+1}$ |
| 3 | 24 Month Moving Average | 24-MO AVG | $\hat{Y}_t = \frac{LT}{24} \sum_{i=1}^{24} X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{24} \sum_{i=1}^{24} X_{t-i+1}$ |
| 4 | 36 Month Moving Average | 36-MO AVG | $\hat{Y}_t = \frac{LT}{36} \sum_{i=1}^{36} X_{t-i+1}$ $\hat{Z}_t = \frac{PC}{36} \sum_{i=1}^{36} X_{t-i+1}$ |

Model Test Set #13 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|---|
| 5 | Last Lead Time or Procurement Cycle Demand | Last LT/PC | $\hat{Y}_t = D_{t,LT}$
$\hat{Z}_t = D_{t,PC}$ |
| 6 | Lead Time or Procurement Cycle Demand 1 Year Ago | Last Year | $\hat{Y}_t = D_{t-12+LT,LT}$
$\hat{Z}_t = D_{t-12+LT+PC,PC}$ |

Model Test Set #13 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|-------------------|----------------|---|
| 7 | DLA Methods | DLA | <p><u>Perishable Items:</u></p> $\hat{Y}_t = \frac{LT}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ $\hat{Z}_t = \frac{PC}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ <p><u>Semiperishable Items:</u></p> $\hat{Y}_t = LT * \left[(2 S_t - S''_t) + \frac{\alpha}{1-\alpha} (S_t - S''_t) \right]$ $\hat{Z}_t = PC * \left[(2 S_t - S''_t) + \frac{\alpha}{1-\alpha} (S_t - S''_t) \right]$ |

where S_t is the single exponential smoothed average of monthly demand at time t and S''_t is the double exponential smoothed average of monthly demand at time t . The smoothing parameter α is .10, .15, and .20. The forecast is chosen using the smoothing parameter which results in the least mean absolute deviation over the past data. Note that $2S_t - S''_t$ is the expected value of the demand series at time t and not the true double exponential smoothed forecast one period ahead. See Gardner (1984).

Model Test Set #13 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|--|
| 8 | Autoregressive without Constant | AR1 | $\hat{Y}_t = a_1 D_{t,1}$ $\hat{Z}_t = b_1 D_{t,1}$ |
| 9 | Autoregressive Harmonic without Constant | AR1 HARM | $\hat{Y}_t = a_1 D_{t,1} + A \sin \left(\frac{\pi}{6} t + \theta \right)$ $= a_1 D_{t,1} + a_2 \sin \frac{\pi}{6} t + a_3 \cos \frac{\pi}{6} t$ $\hat{Z}_t = b_1 D_{t,1} + b_2 \sin \frac{\pi}{6} t + b_3 \cos \frac{\pi}{6} t$ |

Model Test Set #13 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|---|----------------|---|
| 10 | Autoregressive Lag
Seasonal without Constant | AR1 LAG | $\hat{Y}_t = a_1 D_{t,1} + a_2 D_{t-12+LT,LT}$ |
| | | | $\hat{Z}_t = b_1 D_{t,1} + b_2 D_{t-12+LT+PC,PC}$ |
| 11 | Normal Autoregressive
without Constant | NAR1 | $\hat{Y}_t = a_1 D_{t,LT}$ |
| | | | $\hat{Z}_t = b_1 D_{t,PC}$ |

Model Test Set #13 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|---|
| 12 | Normal Autoregressive
Harmonic without Constant | NAR1 HARM | $\hat{Y}_t = a_1 D_{t,LT} + A \sin \left(\frac{\pi}{6} t + \theta \right)$ $= a_1 D_{t,LT} + a_2 \sin \frac{\pi}{6} t + a_3 \cos \frac{\pi}{6} t$ $\hat{Z}_t = b_1 D_{t,PC} + b_2 \sin \frac{\pi}{6} t + b_3 \cos \frac{\pi}{6} t$ |
| 13 | Normal Autoregressive Lag
Seasonal without Constant | NAR1 LAG | $\hat{Y}_t = a_1 D_{t,LT} + a_2 D_{t-12+LT,LT}$ $\hat{Z}_t = b_1 D_{t,PC} + b_2 D_{t-12+LT+PC,PC}$ |

Model Test Set #13 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|--|
| 14 | Log Autoregressive without Constant | LAR1 | $\ln \hat{Y}_t = a_1 \ln (D_{t,1})$ $\ln \hat{Z}_t = b_1 \ln (D_{t,1})$ |
| 15 | Log Autoregressive Harmonic without Constant | LAR1 HARM | $\ln \hat{Y}_t = a_1 \ln (D_{t,1}) + A \sin \left(\frac{\pi}{6} t + \theta \right)$ $= a_1 \ln (D_{t,1}) + a_2 \sin \frac{\pi}{6} t + a_3 \cos \frac{\pi}{6} t$ $\ln \hat{Z}_t = b_1 \ln (D_{t,1}) + b_2 \sin \frac{\pi}{6} t + b_3 \cos \frac{\pi}{6} t$ |

Model Test Set #13 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|---|----------------|---|
| 16 | Log Autoregressive Lag
Seasonal without Constant | LAR1 LAG | $\hat{\ln Y}_t = a_1 \ln (D_{t,1}) + a_2 \ln (D_{t-12+LT,LT})$ |
| | | | $\hat{\ln Z}_t = b_1 \ln (D_{t,1}) + b_2 \ln (D_{t-12+LT+PC,PC})$ |
| 17 | Log Normal Autoregressive
without Constant | LNAR1 | $\hat{\ln Y}_t = a_1 \ln (D_{t,LT})$ |
| | | | $\hat{\ln Z}_t = b_1 \ln (D_{t,PC})$ |

Model Test Set #13 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|---|----------------|---|
| 18 | Log Normal Autoregressive Harmonic without Constant | LNAR1 HARM | $\ln \hat{Y}_t = a_1 \ln(D_{t,LT}) + A \sin\left(\frac{\pi}{6} t + \theta\right)$ $= a_1 \ln(D_{t,LT}) + a_2 \sin \frac{\pi}{6} t + a_3 \cos \frac{\pi}{6} t$ $\ln \hat{Z}_t = b_1 \ln(D_{t,PC}) + b_2 \sin \frac{\pi}{6} t + b_3 \cos \frac{\pi}{6} t$ |
| 19 | Log Normal Autoregressive Seasonal without Constant | LNAR1 LAG | $\ln \hat{Y}_t = a_1 \ln(D_{t,LT}) + a_2 \ln(D_{t-12+LT,LT})$ $\ln \hat{Z}_t = b_1 \ln(D_{t,PC}) + b_2 \ln(D_{t-12+LT+PC,PC})$ |

Model Test Set #14

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|-------------------|----------------|---|
| 1 | Global Mean | GLOB MEAN | $\hat{Y}_t = \frac{LT}{t} \sum_{i=1}^t X_{t-i+1}$ |
| | | | $\hat{Z}_t = \frac{PC}{t} \sum_{i=1}^t X_{t-i+1}$ |

AD-A166 750

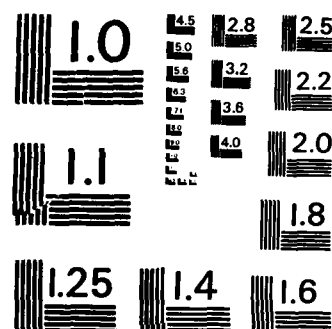
REPORT ON THE EVALUATION OF DEMAND FORECASTING
TECHNIQUES FOR THE SUBSISTENCE COMMODITY VOLUME 2(U)
DEFENSE LOGISTICS AGENCY ALEXANDRIA VA OPERATIONS
RESEARCH AN T J SHEEHAN ET AL. OCT 85 F/G 15/5

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Model Test Set #14 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|------------------|--|
| 2-8 | Single Exponential Smoothing
($\alpha = .01, .05, .10, .15, .20, .25, .30$) | SEXP(α) | $\hat{Y}_t = LT * S_t$ $\hat{Z}_t = PC * S_t$ |
| 9-15 | Double Exponential Smoothing
($\alpha = .01, .05, .10, .15, .20, .25, .30$) | DEXP(α) | $\hat{Y}_t = (2S_t - S_t'') + \frac{LT(LT+1)}{2} \frac{\alpha}{1-\alpha} (S_t - S_t'')$ $\hat{Z}_t = (S_t - S_t'') + \frac{(PC^2 + 2LT*PC + PC)}{2} \frac{\alpha}{1-\alpha} (S_t - S_t'')$ |

Model Test Set #14 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|------------------|---|
| 16-22 | Adaptive Response Rate
Single Exponential Smoothing
($\gamma = .01, .05, .10, .15, .20, .25, .30$) | ARRS(γ) | $\hat{Y}_t = LT * ARRS_t$ $\hat{Z}_t = PC * ARRS_t$ |

ARRS_t = S_t where the smoothing constant, α , is adjusted each period according to the following formula:

$$\alpha = \frac{S_{t-1}(\text{ERR})(\gamma)}{S_{t-1}(\text{ABS ERR})(\gamma)}$$

α is adjusted each period by the ratio of the single smoothed average error and the single smoothed absolute error through period $t-1$.

Model Test Set #14 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|-------------------|----------------|---|
| 25 | DLA Methods | DLA | <p><u>Perishable Items:</u></p> $\hat{Y}_t = \frac{LT}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ $\hat{Z}_t = \frac{PC}{6} * [4 X_t + X_{t-1} + X_{t-2}]$ <p><u>Semiperishable Items:</u></p> $\hat{Y}_t = LT * \left[(2 S_t - S''_t) + \frac{\alpha}{1-\alpha} (S_t - S''_t) \right]$ $\hat{Z}_t = PC * \left[(2 S_t - S''_t) + \frac{\alpha}{1-\alpha} (S_t - S''_t) \right]$ |

where S_t is the single exponential smoothed average of monthly demand at time t and S''_t is the double exponential smoothed average of monthly demand at time t . The smoothing parameter α is .10, .15, and .20. The forecast is chosen using the smoothing parameter which results in the least mean absolute deviation over the past data. Note that $2S_t - S''_t$ is the expected value of the demand series at time t and not the true double exponential smoothed forecast one period ahead. See Gardner (1984).

Model Test Set #14 (cont'd.)

| <u>Model No.</u> | <u>Model Name</u> | <u>Acronym</u> | <u>Formula</u> |
|------------------|--|----------------|----------------------------------|
| 23 | Last Lead Time or Procurement Cycle Demand | Last LT/PC | $\hat{Y}_t = D_t, LT$ |
| | | | $\hat{Z}_t = D_t, PC$ |
| 24 | Lead Time or Procurement Cycle Demand 1 Year Ago | Last Year | $\hat{Y}_t = D_{t-12+LT}, LT$ |
| | | | $\hat{Z}_t = D_{t-12+LT+PC}, PC$ |

Appendix O

Subsistence Demand Record Description

| RECORD LAYOUT | | | | | |
|---|-----------------|----------------|----------------------------------|---------|-------------------------|
| PROGRAM TITLE
NONPERISHABLE ITEM DEMAND HISTORY | | | PREPARED BY
THOMAS J. SHEEHAN | | DATE
5/4/85 |
| PROGRAM NUMBER | FILE NAME | | | | TYPE LABEL |
| RECORD TYPE (Check One)
<input type="checkbox"/> CARD <input checked="" type="checkbox"/> TAPE <input type="checkbox"/> DISK | | | LABEL | | RECORD SIZE
1310 chs |
| BLOCKING FACTOR | | | | | |
| FIELD NAME/DESCRIPTION | NUMBER OF BYTES | FIELD LOCATION | | PICTURE | USAGE |
| | | FROM | TO | | |
| NSN | 13 | 1 | 13 | X(13) | |
| TYPE PACK | 1 | 14 | 14 | X | |
| DEPOT CODE | 3 | 15 | 17 | X(3) | |
| ISSUE CODE | 1 | 18 | 18 | X | |
| SUPPLY CODE | 1 | 19 | 19 | X | |
| ITEM NUMBER | 5 | 20 | 24 | X(5) | |
| PROCUREMENT CYCLE PERIOD | 3 | 25 | 27 | XXX | |
| LEADTIME | 3 | 28 | 30 | XXX | |
| FLEET CODE | 1 | 31 | 31 | X | |
| CHILL CODE | 1 | 32 | 32 | X | |
| SHELF LIFE | 2 | 33 | 34 | XX | |
| VARIABLE SAFETY LEVEL | 1 | 35 | 35 | X | |
| UNIT OF ISSUE | 2 | 36 | 37 | XX | |
| AVERAGE NET WEIGHT | 2 | 38 | 39 | XX | |
| NOMENCLATURE | 39 | 40 | 78 | X(39) | |
| 7/77 TROOP ISSUE DEMAND QUANTITY | 8 | 79 | 86 | 9(8) | |
| 8/77 " " " " | 8 | 87 | 94 | 9(8) | |
| 9/77 " " " " | 8 | 95 | 102 | 9(8) | |
| 10/77 " " " " | 8 | 103 | 110 | 9(8) | |
| 11/77 " " " " | 8 | 111 | 118 | 9(8) | |
| 12/77 " " " " | 8 | 119 | 126 | 9(8) | |
| 1/78 " " " " | 8 | 127 | 134 | 9(8) | |
| 2/78 TROOP ISSUE DEMAND QUANTITY | 8 | 135 | 142 | 9(8) | |

| RECORD LAYOUT | | | | | | | | |
|--|--|-----------|--|-----------------|----------------|-------------|---------|-------|
| PROGRAM TITLE
NONPERISHABLE ITEM DEMAND HISTORY | | | | PREPARED BY | | DATE | | |
| PROGRAM NUMBER | | FILE NAME | | | | TYPE LABEL | | |
| RECORD TYPE (Check One)
<input type="checkbox"/> CARD <input type="checkbox"/> TAPE <input type="checkbox"/> DISK | | | | LABEL | | RECORD SIZE | | |
| FIELD NAME/DESCRIPTION | | | | NUMBER OF BYTES | FIELD LOCATION | | PICTURE | USAGE |
| | | | | | FROM | TO | | |
| 3/78 TROOP ISSUE DEMAND QUANTITY | | | | 8 | 143 | 150 | 9(8) | |
| 4/78 " " " " | | | | 8 | 151 | 158 | 9(8) | |
| 5/78 " " " " | | | | 8 | 159 | 166 | 9(8) | |
| 6/78 " " " " | | | | 8 | 167 | 174 | 9(8) | |
| 7/78 " " " " | | | | 8 | 175 | 182 | 9(8) | |
| 8/78 " " " " | | | | 8 | 183 | 190 | 9(8) | |
| 9/78 " " " " | | | | 8 | 191 | 198 | 9(8) | |
| 10/78 " " " " | | | | 8 | 199 | 206 | 9(8) | |
| 11/78 " " " " | | | | 8 | 207 | 214 | 9(8) | |
| 12/78 " " " " | | | | 8 | 215 | 222 | 9(8) | |
| 1/79 " " " " | | | | 8 | 223 | 230 | 9(8) | |
| 2/79 " " " " | | | | 8 | 231 | 238 | 9(8) | |
| 3/79 " " " " | | | | 8 | 239 | 246 | 9(8) | |
| 4/79 " " " " | | | | 8 | 247 | 254 | 9(8) | |
| 5/79 " " " " | | | | 8 | 255 | 262 | 9(8) | |
| 6/79 " " " " | | | | 8 | 263 | 270 | 9(8) | |
| 7/79 " " " " | | | | 8 | 271 | 278 | 9(8) | |
| 8/79 " " " " | | | | 8 | 279 | 286 | 9(8) | |
| 9/79 " " " " | | | | 8 | 287 | 294 | 9(8) | |
| 10/79 " " " " | | | | 8 | 295 | 302 | 9(8) | |
| 11/79 " " " " | | | | 8 | 303 | 310 | 9(8) | |
| 12/79 " " " " | | | | 8 | 311 | 318 | 9(8) | |
| 1/80 TROOP ISSUE DEMAND QUANTITY | | | | 8 | 319 | 326 | 9(8) | |

| RECORD LAYOUT | | | | | | | |
|--|--|-----------|-----------------|----------------|-------------|-----------------|-------|
| PROGRAM TITLE
NONPERISHABLE ITEM DEMAND HISTORY | | | | PREPARED BY | | DATE | |
| PROGRAM NUMBER | | FILE NAME | | | | TYPE LABEL | |
| RECORD TYPE (Check One)
<input type="checkbox"/> CARD <input type="checkbox"/> TAPE <input type="checkbox"/> DISK | | | LABEL | | RECORD SIZE | BLOCKING FACTOR | |
| FIELD NAME/DESCRIPTION | | | NUMBER OF BYTES | FIELD LOCATION | | PICTURE | USAGE |
| | | | | FROM | TO | | |
| 2/80 TROOP ISSUE DEMAND QUANTITY | | | 8 | 327 | 334 | 9(8) | |
| 3/80 " " " " | | | 8 | 335 | 342 | 9(8) | |
| 4/80 " " " " | | | 8 | 343 | 350 | 9(8) | |
| 5/80 " " " " | | | 8 | 351 | 358 | 9(8) | |
| 6/80 " " " " | | | 8 | 359 | 366 | 9(8) | |
| 7/80 " " " " | | | 8 | 367 | 374 | 9(8) | |
| 8/80 " " " " | | | 8 | 375 | 382 | 9(8) | |
| 9/80 " " " " | | | 8 | 383 | 390 | 9(8) | |
| 10/80 " " " " | | | 8 | 391 | 398 | 9(8) | |
| 11/80 " " " " | | | 8 | 399 | 406 | 9(8) | |
| 12/80 " " " " | | | 8 | 407 | 414 | 9(8) | |
| 1/81 " " " " | | | 8 | 415 | 422 | 9(8) | |
| 2/81 " " " " | | | 8 | 423 | 430 | 9(8) | |
| 3/81 " " " " | | | 8 | 431 | 438 | 9(8) | |
| 4/81 " " " " | | | 8 | 439 | 446 | 9(8) | |
| 5/81 " " " " | | | 8 | 447 | 454 | 9(8) | |
| 6/81 " " " " | | | 8 | 455 | 462 | 9(8) | |
| 7/81 " " " " | | | 8 | 463 | 470 | 9(8) | |
| 8/81 " " " " | | | 8 | 471 | 478 | 9(8) | |
| 9/81 " " " " | | | 8 | 479 | 486 | 9(8) | |
| 10/81 " " " " | | | 8 | 487 | 494 | 9(8) | |
| 11/81 " " " " | | | 8 | 495 | 502 | 9(8) | |
| 12/81 TROOP ISSUE DEMAND QUANTITY | | | 8 | 503 | 510 | 9(8) | |

| RECORD LAYOUT | | | | | | | |
|--|--|-----------|-----------------|----------------|-------------|-----------------|-------|
| PROGRAM TITLE
NONPERISHABLE ITEM DEMAND HISTORY | | | | PREPARED BY | | DATE | |
| PROGRAM NUMBER | | FILE NAME | | | | TYPE LABEL | |
| RECORD TYPE (Check One)
<input type="checkbox"/> CARD <input type="checkbox"/> TAPE <input type="checkbox"/> DISK | | | LABEL | | RECORD SIZE | BLOCKING FACTOR | |
| FIELD NAME/DESCRIPTION | | | NUMBER OF BYTES | FIELD LOCATION | | PICTURE | USAGE |
| | | | | FROM | TO | | |
| 1/82 TROOP ISSUE DEMAND QUANTITY | | | 8 | 511 | 518 | 9(8) | |
| 2/82 " " " " | | | 8 | 519 | 526 | 9(8) | |
| 3/82 " " " " | | | 8 | 527 | 534 | 9(8) | |
| 4/82 " " " " | | | 8 | 535 | 542 | 9(8) | |
| 5/82 " " " " | | | 8 | 543 | 550 | 9(8) | |
| 6/82 " " " " | | | 8 | 551 | 558 | 9(8) | |
| 7/82 " " " " | | | 8 | 559 | 566 | 9(8) | |
| 8/82 " " " " | | | 8 | 567 | 574 | 9(8) | |
| 9/82 " " " " | | | 8 | 575 | 582 | 9(8) | |
| 10/82 " " " " | | | 8 | 583 | 590 | 9(8) | |
| 11/82 " " " " | | | 8 | 591 | 598 | 9(8) | |
| 12/82 " " " " | | | 8 | 599 | 606 | 9(8) | |
| 1/83 " " " " | | | 8 | 607 | 614 | 9(8) | |
| 2/83 " " " " | | | 8 | 615 | 622 | 9(8) | |
| 3/83 " " " " | | | 8 | 623 | 630 | 9(8) | |
| 4/83 " " " " | | | 8 | 631 | 638 | 9(8) | |
| 5/83 " " " " | | | 8 | 639 | 646 | 9(8) | |
| 6/83 " " " " | | | 8 | 647 | 654 | 9(8) | |
| 7/83 " " " " | | | 8 | 655 | 662 | 9(8) | |
| 8/83 " " " " | | | 8 | 663 | 670 | 9(8) | |
| 9/83 " " " " | | | 8 | 671 | 678 | 9(8) | |
| 10/83 " " " " | | | 8 | 679 | 686 | 9(8) | |
| 11/83 TROOP ISSUE DEMAND QUANTITY | | | 8 | 687 | 694 | 9(8) | |

| RECORD LAYOUT | | | | | | | | |
|--|--|-----------|--|-----------------|----------------|-------------|-----------------|-------|
| PROGRAM TITLE
NONPERISHABLE ITEM DEMAND HISTORY | | | | PREPARED BY | | DATE | | |
| PROGRAM NUMBER | | FILE NAME | | | | TYPE LABEL | | |
| RECORD TYPE (Check One)
<input type="checkbox"/> CARD <input type="checkbox"/> TAPE <input type="checkbox"/> DISK | | | | LABEL | | RECORD SIZE | BLOCKING FACTOR | |
| FIELD NAME/DESCRIPTION | | | | NUMBER OF BYTES | FIELD LOCATION | | PICTURE | USAGE |
| | | | | | FROM | TO | | |
| 7/77 COMMISSARY RESALE DEMAND QUANTITY | | | | 8 | 695 | 702 | 9(8) | |
| 8/77 " " " " | | | | 8 | 703 | 710 | 9(8) | |
| 9/77 " " " " | | | | 8 | 711 | 718 | 9(8) | |
| 10/77 " " " " | | | | 8 | 719 | 726 | 9(8) | |
| 11/77 " " " " | | | | 8 | 727 | 734 | 9(8) | |
| 12/77 " " " " | | | | 8 | 735 | 742 | 9(8) | |
| 1/78 " " " " | | | | 8 | 743 | 750 | 9(8) | |
| 2/78 " " " " | | | | 8 | 751 | 758 | 9(8) | |
| 3/78 " " " " | | | | 8 | 759 | 766 | 9(8) | |
| 4/78 " " " " | | | | 8 | 767 | 774 | 9(8) | |
| 5/78 " " " " | | | | 8 | 775 | 782 | 9(8) | |
| 6/78 " " " " | | | | 8 | 783 | 790 | 9(8) | |
| 7/78 " " " " | | | | 8 | 791 | 798 | 9(8) | |
| 8/78 " " " " | | | | 8 | 799 | 806 | 9(8) | |
| 9/78 " " " " | | | | 8 | 807 | 814 | 9(8) | |
| 10/78 " " " " | | | | 8 | 815 | 822 | 9(8) | |
| 11/78 " " " " | | | | 8 | 823 | 830 | 9(8) | |
| 12/78 " " " " | | | | 8 | 831 | 838 | 9(8) | |
| 1/79 " " " " | | | | 8 | 839 | 846 | 9(8) | |
| 2/79 " " " " | | | | 8 | 847 | 854 | 9(8) | |
| 3/79 " " " " | | | | 8 | 855 | 862 | 9(8) | |
| 4/79 " " " " | | | | 8 | 863 | 870 | 9(8) | |
| 5/79 COMMISSARY RESALE DEMAND QUANTITY | | | | 8 | 871 | 878 | 9(8) | |

| RECORD LAYOUT | | | | | | | |
|--|--|-----------|-----------------|----------------|-------------|-----------------|-------|
| PROGRAM TITLE
NONPERISHABLE ITEM DEMAND HISTORY | | | | PREPARED BY | | DATE | |
| PROGRAM NUMBER | | FILE NAME | | | | TYPE LABEL | |
| RECORD TYPE (Check One)
<input type="checkbox"/> CARD <input type="checkbox"/> TAPE <input type="checkbox"/> DISK | | | LABEL | | RECORD SIZE | BLOCKING FACTOR | |
| FIELD NAME/DESCRIPTION | | | NUMBER OF BYTES | FIELD LOCATION | | PICTURE | USAGE |
| | | | | FROM | TO | | |
| 6/79 COMMISSARY RESALE DEMAND QUANTITY | | | 8 | 879 | 886 | 9(8) | |
| 7/79 " " " " | | | 8 | 887 | 894 | 9(8) | |
| 8/79 " " " " | | | 8 | 895 | 902 | 9(8) | |
| 9/79 " " " " | | | 8 | 903 | 910 | 9(8) | |
| 10/79 " " " " | | | 8 | 911 | 918 | 9(8) | |
| 11/79 " " " " | | | 8 | 919 | 926 | 9(8) | |
| 12/79 " " " " | | | 8 | 927 | 934 | 9(8) | |
| 1/80 " " " " | | | 8 | 935 | 942 | 9(8) | |
| 2/80 " " " " | | | 8 | 943 | 950 | 9(8) | |
| 3/80 " " " " | | | 8 | 951 | 958 | 9(8) | |
| 4/80 " " " " | | | 8 | 959 | 966 | 9(8) | |
| 5/80 " " " " | | | 8 | 967 | 974 | 9(8) | |
| 6/80 " " " " | | | 8 | 975 | 982 | 9(8) | |
| 7/80 " " " " | | | 8 | 983 | 990 | 9(8) | |
| 8/80 " " " " | | | 8 | 991 | 998 | 9(8) | |
| 9/80 " " " " | | | 8 | 999 | 1006 | 9(8) | |
| 10/80 " " " " | | | 8 | 1007 | 1014 | 9(8) | |
| 11/80 " " " " | | | 8 | 1015 | 1022 | 9(8) | |
| 12/80 " " " " | | | 8 | 1023 | 1030 | 9(8) | |
| 1/81 " " " " | | | 8 | 1031 | 1038 | 9(8) | |
| 2/81 " " " " | | | 8 | 1039 | 1046 | 9(8) | |
| 3/81 " " " " | | | 8 | 1047 | 1054 | 9(8) | |
| 4/81 COMMISSARY RESALE DEMAND QUANTITY | | | 8 | 1055 | 1062 | 9(8) | |

| RECORD LAYOUT | | | | | | | |
|--|--|-----------|-----------------|----------------|-------------|-----------------|-------|
| PROGRAM TITLE
NONPERISHABLE ITEM DEMAND HISTORY | | | | PREPARED BY | | DATE | |
| PROGRAM NUMBER | | FILE NAME | | | | TYPE LABEL | |
| RECORD TYPE (Check One)
<input type="checkbox"/> CARD <input type="checkbox"/> TAPE <input type="checkbox"/> DISK | | | LABEL | | RECORD SIZE | BLOCKING FACTOR | |
| FIELD NAME/DESCRIPTION | | | NUMBER OF BYTES | FIELD LOCATION | | PICTURE | USAGE |
| | | | | FROM | TO | | |
| 5/81 COMMISSARY RESALE DEMAND QUANTITY | | | 8 | 1063 | 1070 | 9(8) | |
| 6/81 " " " " | | | 8 | 1071 | 1078 | 9(8) | |
| 7/81 " " " " | | | 8 | 1079 | 1086 | 9(8) | |
| 8/81 " " " " | | | 8 | 1087 | 1094 | 9(8) | |
| 9/81 " " " " | | | 8 | 1095 | 1102 | 9(8) | |
| 10/81 " " " " | | | 8 | 1103 | 1110 | 9(8) | |
| 11/81 " " " " | | | 8 | 1111 | 1118 | 9(8) | |
| 12/81 " " " " | | | 8 | 1119 | 1126 | 9(8) | |
| 1/82 " " " " | | | 8 | 1127 | 1134 | 9(8) | |
| 2/82 " " " " | | | 8 | 1135 | 1142 | 9(8) | |
| 3/82 " " " " | | | 8 | 1143 | 1150 | 9(8) | |
| 4/82 " " " " | | | 8 | 1151 | 1158 | 9(8) | |
| 5/82 " " " " | | | 8 | 1159 | 1166 | 9(8) | |
| 6/82 " " " " | | | 8 | 1167 | 1174 | 9(8) | |
| 7/82 " " " " | | | 8 | 1175 | 1182 | 9(8) | |
| 8/82 " " " " | | | 8 | 1183 | 1190 | 9(8) | |
| 9/82 " " " " | | | 8 | 1191 | 1198 | 9(8) | |
| 10/82 " " " " | | | 8 | 1199 | 1206 | 9(8) | |
| 11/82 " " " " | | | 8 | 1207 | 1214 | 9(8) | |
| 12/82 " " " " | | | 8 | 1215 | 1222 | 9(8) | |
| 1/83 " " " " | | | 8 | 1223 | 1230 | 9(8) | |
| 2/83 " " " " | | | 8 | 1231 | 1238 | 9(8) | |
| 3/83 COMMISSARY RESALE DEMAND QUANTITY | | | 8 | 1239 | 1246 | 9(8) | |

| RECORD LAYOUT | | | | | | |
|---|-----------|--|----------------------------------|----------------|-------------------------|-------|
| PROGRAM TITLE
PERISHABLE ITEM DEMAND HISTORY | | | PREPARED BY
THOMAS J. SHEEHAN | | DATE
5-4-85 | |
| PROGRAM NUMBER | FILE NAME | | | | TYPE LABEL | |
| RECORD TYPE (Check One)
<input type="checkbox"/> CARD <input checked="" type="checkbox"/> TAPE <input type="checkbox"/> DISK | | | LABEL | | RECORD SIZE
1310 chs | |
| BLOCKING FACTOR | | | | | | |
| FIELD NAME/DESCRIPTION | | | NUMBER OF BYTES | FIELD LOCATION | | |
| | | | | FROM | TO | |
| | | | | PICTURE | USAGE | |
| NSN | | | 13 | 1 | 13 | X(13) |
| TYPE PACK | | | 1 | 14 | 14 | X |
| DEPOT CODE | | | 3 | 15 | 17 | X(3) |
| ISSUE CODE | | | 1 | 18 | 18 | X_ |
| SUPPLY CODE | | | 1 | 19 | 19 | X |
| ITEM NUMBER | | | 5 | 20 | 24 | X(5) |
| PROCUREMENT CYCLE PERIOD | | | 3 | 25 | 27 | XXX |
| LEADTIME | | | 3 | 28 | 30 | XXX |
| FLEET CODE | | | 1 | 31 | 31 | X |
| CHILL CODE | | | 1 | 32 | 32 | X |
| SHELF LIFE | | | 2 | 33 | 34 | XX |
| VARIABLE SAFETY LEVEL | | | 1 | 35 | 35 | X |
| UNIT OF ISSUE | | | 2 | 36 | 37 | XX |
| AVERAGE NET WEIGHT | | | 2 | 38 | 39 | XX |
| NOMENCLATURE | | | 39 | 40 | 78 | X(39) |
| 7/77 RECURRING DEMAND QUANTITY | | | 8 | 79 | 86 | 9(8) |
| 8/77 " " " | | | 8 | 87 | 94 | 9(8) |
| 9/77 " " " | | | 8 | 95 | 102 | 9(8) |
| 10/77 " " " | | | 8 | 103 | 110 | 9(8) |
| 11/77 " " " | | | 8 | 111 | 118 | 9(8) |
| 12/77 " " " | | | 8 | 119 | 126 | 9(8) |
| 1/78 " " " | | | 8 | 127 | 134 | 9(8) |
| 2/78 RECURRING DEMAND QUANTITY | | | 8 | 135 | 142 | 9(8) |

| RECORD LAYOUT | | | | | | | |
|--|--|-----------|-----------------|----------------|-------------|-----------------|-------|
| PROGRAM TITLE
PERISHABLE ITEM DEMAND HISTORY | | | | PREPARED BY | | DATE | |
| PROGRAM NUMBER | | FILE NAME | | | | TYPE LABEL | |
| RECORD TYPE (Check One)
<input type="checkbox"/> CARD <input type="checkbox"/> TAPE <input type="checkbox"/> DISK | | | LABEL | | RECORD SIZE | BLOCKING FACTOR | |
| FIELD NAME/DESCRIPTION | | | NUMBER OF BYTES | FIELD LOCATION | | PICTURE | USAGE |
| | | | | FROM | TO | | |
| 3/78 RECURRING DEMAND QUANTITY | | | 8 | 143 | 150 | 9(8) | |
| 4/78 " " " | | | 8 | 151 | 158 | 9(8) | |
| 5/78 " " " | | | 8 | 159 | 166 | 9(8) | |
| 6/78 " " " | | | 8 | 167 | 174 | 9(8) | |
| 7/78 " " " | | | 8 | 175 | 182 | 9(8) | |
| 8/78 " " " | | | 8 | 183 | 190 | 9(8) | |
| 9/78 " " " | | | 8 | 191 | 198 | 9(8) | |
| 10/78 " " " | | | 8 | 199 | 206 | 9(8) | |
| 11/78 " " " | | | 8 | 207 | 214 | 9(8) | |
| 12/78 " " " | | | 8 | 215 | 222 | 9(8) | |
| 1/79 " " " | | | 8 | 223 | 230 | 9(8) | |
| 2/79 " " " | | | 8 | 231 | 238 | 9(8) | |
| 3/79 " " " | | | 8 | 239 | 246 | 9(8) | |
| 4/79 " " " | | | 8 | 247 | 254 | 9(8) | |
| 5/79 " " " | | | 8 | 255 | 262 | 9(8) | |
| 6/79 " " " | | | 8 | 263 | 270 | 9(8) | |
| 7/79 " " " | | | 8 | 271 | 278 | 9(8) | |
| 8/79 " " " | | | 8 | 279 | 286 | 9(8) | |
| 9/79 " " " | | | 8 | 287 | 294 | 9(8) | |
| 10/79 " " " | | | 8 | 295 | 302 | 9(8) | |
| 11/79 " " " | | | 8 | 303 | 310 | 9(8) | |
| 12/79 " " " | | | 8 | 311 | 318 | 9(8) | |
| 1/80 RECURRING DEMAND QUANTITY | | | 8 | 319 | 326 | 9(8) | |

| RECORD LAYOUT | | | | | | | | |
|--|--|-----------|--|-----------------|----------------|-----------------|---------|-------|
| PROGRAM TITLE
PERISHABLE ITEM DEMAND HISTORY | | | | PREPARED BY | | DATE | | |
| PROGRAM NUMBER | | FILE NAME | | | | TYPE LABEL | | |
| RECORD TYPE (Check One)
<input type="checkbox"/> CARD <input type="checkbox"/> TAPE <input type="checkbox"/> DISK | | | | LABEL | | BLOCKING FACTOR | | |
| FIELD NAME/DESCRIPTION | | | | NUMBER OF BYTES | FIELD LOCATION | | PICTURE | USAGE |
| | | | | | FROM | TO | | |
| 2/80 RECURRING DEMAND QUANTITY | | | | 8 | 327 | 334 | 9(8) | |
| 3/80 " " " | | | | 8 | 335 | 342 | 9(8) | |
| 4/80 " " " | | | | 8 | 343 | 350 | 9(8) | |
| 5/80 " " " | | | | 8 | 351 | 358 | 9(8) | |
| 6/80 " " " | | | | 8 | 359 | 366 | 9(8) | |
| 7/80 " " " | | | | 8 | 367 | 374 | 9(8) | |
| 8/80 " " " | | | | 8 | 375 | 382 | 9(8) | |
| 9/80 " " " | | | | 8 | 383 | 390 | 9(8) | |
| 10/80 " " " | | | | 8 | 391 | 398 | 9(8) | |
| 11/80 " " " | | | | 8 | 399 | 406 | 9(8) | |
| 12/80 " " " | | | | 8 | 407 | 414 | 9(8) | |
| 1/81 " " " | | | | 8 | 415 | 422 | 9(8) | |
| 2/81 " " " | | | | 8 | 423 | 430 | 9(8) | |
| 3/81 " " " | | | | 8 | 431 | 438 | 9(8) | |
| 4/81 " " " | | | | 8 | 439 | 446 | 9(8) | |
| 5/81 " " " | | | | 8 | 447 | 454 | 9(8) | |
| 6/81 " " " | | | | 8 | 455 | 462 | 9(8) | |
| 7/81 " " " | | | | 8 | 463 | 470 | 9(8) | |
| 8/81 " " " | | | | 8 | 471 | 478 | 9(8) | |
| 9/81 " " " | | | | 8 | 479 | 486 | 9(8) | |
| 10/81 " " " | | | | 8 | 487 | 494 | 9(8) | |
| 11/81 " " " | | | | 8 | 495 | 502 | 9(8) | |
| 12/81 RECURRING DEMAND QUANTITY | | | | 8 | 503 | 510 | 9(8) | |

| RECORD LAYOUT | | | | | | | |
|--|--|-----------|-----------------|----------------|-------------|-----------------|-------|
| PROGRAM TITLE
PERISHABLE ITEM DEMAND HISTORY | | | | PREPARED BY | | DATE | |
| PROGRAM NUMBER | | FILE NAME | | | | TYPE LABEL | |
| RECORD TYPE (Check One)
<input type="checkbox"/> CARD <input type="checkbox"/> TAPE <input type="checkbox"/> DISK | | | LABEL | | RECORD SIZE | BLOCKING FACTOR | |
| FIELD NAME/DESCRIPTION | | | NUMBER OF BYTES | FIELD LOCATION | | PICTURE | USAGE |
| | | | | FROM | TO | | |
| 1/82 RECURRING DEMAND QUANTITY | | | 8 | 511 | 518 | 9(8) | |
| 2/82 " " " | | | 8 | 519 | 526 | 9(8) | |
| 3/82 " " " | | | 8 | 527 | 534 | 9(8) | |
| 4/82 " " " | | | 8 | 535 | 542 | 9(8) | |
| 5/82 " " " | | | 8 | 543 | 550 | 9(8) | |
| 6/82 " " " | | | 8 | 551 | 558 | 9(8) | |
| 7/82 " " " | | | 8 | 559 | 566 | 9(8) | |
| 8/82 " " " | | | 8 | 567 | 574 | 9(8) | |
| 9/82 " " " | | | 8 | 575 | 582 | 9(8) | |
| 10/82 " " " | | | 8 | 583 | 590 | 9(8) | |
| 11/82 " " " | | | 8 | 591 | 598 | 9(8) | |
| 12/82 " " " | | | 8 | 599 | 606 | 9(8) | |
| 1/83 " " " | | | 8 | 607 | 614 | 9(8) | |
| 2/83 " " " | | | 8 | 615 | 622 | 9(8) | |
| 3/83 " " " | | | 8 | 623 | 630 | 9(8) | |
| 4/83 " " " | | | 8 | 631 | 638 | 9(8) | |
| 5/83 " " " | | | 8 | 639 | 646 | 9(8) | |
| 6/83 " " " | | | 8 | 647 | 654 | 9(8) | |
| 7/83 " " " | | | 8 | 655 | 662 | 9(8) | |
| 8/83 " " " | | | 8 | 663 | 670 | 9(8) | |
| 9/83 " " " | | | 8 | 671 | 678 | 9(8) | |
| 10/83 " " " | | | 8 | 679 | 686 | 9(8) | |
| 11/83 RECURRING DEMAND QUANTITY | | | 8 | 687 | 694 | 9(8) | |

| RECORD LAYOUT | | | | | | | |
|--|--|-----------|-----------------|----------------|-------------|-----------------|-------|
| PROGRAM TITLE
PERISHABLE ITEM DEMAND HISTORY | | | | PREPARED BY | | DATE | |
| PROGRAM NUMBER | | FILE NAME | | | | TYPE LABEL | |
| RECORD TYPE (Check One)
<input type="checkbox"/> CARD <input type="checkbox"/> TAPE <input type="checkbox"/> DISK | | | LABEL | | RECORD SIZE | BLOCKING FACTOR | |
| FIELD NAME/DESCRIPTION | | | NUMBER OF BYTES | FIELD LOCATION | | PICTURE | USAGE |
| | | | | FROM | TO | | |
| 7/77 NONRECURRING DEMAND QUANTITY | | | 8 | 695 | 702 | 9(8) | |
| 8/77 " " " | | | 8 | 703 | 710 | 9(8) | |
| 9/77 " " " | | | 8 | 711 | 718 | 9(8) | |
| 10/77 " " " | | | 8 | 719 | 726 | 9(8) | |
| 11/77 " " " | | | 8 | 727 | 734 | 9(8) | |
| 12/77 " " " | | | 8 | 735 | 742 | 9(8) | |
| 1/78 " " " | | | 8 | 743 | 750 | 9(8) | |
| 2/78 " " " | | | 8 | 751 | 758 | 9(8) | |
| 3/78 " " " | | | 8 | 759 | 766 | 9(8) | |
| 4/78 " " " | | | 8 | 767 | 774 | 9(8) | |
| 5/78 " " " | | | 8 | 775 | 782 | 9(8) | |
| 6/78 " " " | | | 8 | 783 | 790 | 9(8) | |
| 7/78 " " " | | | 8 | 791 | 798 | 9(8) | |
| 8/78 " " " | | | 8 | 799 | 806 | 9(8) | |
| 9/78 " " " | | | 8 | 807 | 814 | 9(8) | |
| 10/78 " " " | | | 8 | 815 | 822 | 9(8) | |
| 11/78 " " " | | | 8 | 823 | 830 | 9(8) | |
| 12/78 " " " | | | 8 | 831 | 838 | 9(8) | |
| 1/79 " " " | | | 8 | 839 | 846 | 9(8) | |
| 2/79 " " " | | | 8 | 847 | 854 | 9(8) | |
| 3/79 " " " | | | 8 | 855 | 862 | 9(8) | |
| 4/79 " " " | | | 8 | 863 | 870 | 9(8) | |
| 5/79 NONRECURRING DEMAND QUANTITY | | | 8 | 871 | 878 | 9(8) | |

| RECORD LAYOUT | | | | | | | |
|--|--|-----------|-----------------|----------------|-------------|-----------------|-------|
| PROGRAM TITLE
PERISHABLE ITEM DEMAND HISTORY | | | | PREPARED BY | | DATE | |
| PROGRAM NUMBER | | FILE NAME | | | | TYPE LABEL | |
| RECORD TYPE (Check One)
<input type="checkbox"/> CARD <input type="checkbox"/> TAPE <input type="checkbox"/> DISK | | | LABEL | | RECORD SIZE | BLOCKING FACTOR | |
| FIELD NAME/DESCRIPTION | | | NUMBER OF BYTES | FIELD LOCATION | | PICTURE | USAGE |
| | | | | FROM | TO | | |
| 6/79 NONRECURRING DEMAND QUANTITY | | | 8 | 879 | 886 | 9(8) | |
| 7/79 " " " | | | 8 | 887 | 894 | 9(8) | |
| 8/79 " " " | | | 8 | 895 | 902 | 9(8) | |
| 9/79 " " " | | | 8 | 903 | 910 | 9(8) | |
| 10/79 " " " | | | 8 | 911 | 918 | 9(8) | |
| 11/79 " " " | | | 8 | 919 | 926 | 9(8) | |
| 12/79 " " " | | | 8 | 927 | 934 | 9(8) | |
| 1/80 " " " | | | 8 | 935 | 942 | 9(8) | |
| 2/80 " " " | | | 8 | 943 | 950 | 9(8) | |
| 3/80 " " " | | | 8 | 951 | 958 | 9(8) | |
| 4/80 " " " | | | 8 | 959 | 966 | 9(8) | |
| 5/80 " " " | | | 8 | 967 | 974 | 9(8) | |
| 6/80 " " " | | | 8 | 975 | 982 | 9(8) | |
| 7/80 " " " | | | 8 | 983 | 990 | 9(8) | |
| 8/80 " " " | | | 8 | 991 | 998 | 9(8) | |
| 9/80 " " " | | | 8 | 999 | 1006 | 9(8) | |
| 10/80 " " " | | | 8 | 1007 | 1014 | 9(8) | |
| 11/80 " " " | | | 8 | 1015 | 1022 | 9(8) | |
| 12/80 " " " | | | 8 | 1023 | 1030 | 9(8) | |
| 1/81 " " " | | | 8 | 1031 | 1038 | 9(8) | |
| 2/81 " " " | | | 8 | 1039 | 1046 | 9(8) | |
| 3/81 " " " | | | 8 | 1047 | 1054 | 9(8) | |
| 4/81 NONRECURRING DEMAND QUANTITY | | | 8 | 1055 | 1062 | 9(8) | |

| RECORD LAYOUT | | | | | | | |
|--|--|-----------|-----------------|----------------|-------------|-----------------|-------|
| PROGRAM TITLE
PERISHABLE ITEM DEMAND HISTORY | | | | PREPARED BY | | DATE | |
| PROGRAM NUMBER | | FILE NAME | | | | TYPE LABEL | |
| RECORD TYPE (Check One)
<input type="checkbox"/> CARD <input type="checkbox"/> TAPE <input type="checkbox"/> DISK | | | LABEL | | RECORD SIZE | BLOCKING FACTOR | |
| FIELD NAME/DESCRIPTION | | | NUMBER OF BYTES | FIELD LOCATION | | PICTURE | USAGE |
| | | | | FROM | TO | | |
| 5/81 NONRECURRING DEMAND QUANTITY | | | 8 | 1063 | 1070 | 9(8) | |
| 6/81 " " " | | | 8 | 1071 | 1078 | 9(8) | |
| 7/81 " " " | | | 8 | 1079 | 1086 | 9(8) | |
| 8/81 " " " | | | 8 | 1087 | 1094 | 9(8) | |
| 9/81 " " " | | | 8 | 1095 | 1102 | 9(8) | |
| 10/81 " " " | | | 8 | 1103 | 1110 | 9(8) | |
| 11/81 " " " | | | 8 | 1111 | 1118 | 9(8) | |
| 12/81 " " " | | | 8 | 1119 | 1126 | 9(8) | |
| 1/82 " " " | | | 8 | 1127 | 1134 | 9(8) | |
| 2/82 " " " | | | 8 | 1135 | 1142 | 9(8) | |
| 3/82 " " " | | | 8 | 1143 | 1150 | 9(8) | |
| 4/82 " " " | | | 8 | 1151 | 1158 | 9(8) | |
| 5/82 " " " | | | 8 | 1159 | 1166 | 9(8) | |
| 6/82 " " " | | | 8 | 1167 | 1174 | 9(8) | |
| 7/82 " " " | | | 8 | 1175 | 1182 | 9(8) | |
| 8/82 " " " | | | 8 | 1183 | 1190 | 9(8) | |
| 9/82 " " " | | | 8 | 1191 | 1198 | 9(8) | |
| 10/82 " " " | | | 8 | 1199 | 1206 | 9(8) | |
| 11/82 " " " | | | 8 | 1207 | 1214 | 9(8) | |
| 12/82 " " " | | | 8 | 1215 | 1222 | 9(8) | |
| 1/83 " " " | | | 8 | 1223 | 1230 | 9(8) | |
| 2/83 " " " | | | 8 | 1231 | 1238 | 9(8) | |
| 3/83 NONRECURRING DEMAND QUANTITY | | | 8 | 1239 | 1246 | 9(8) | |

[illegible]

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